Maritime Heritage Minnesota

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CLEAN WATER LAND & LEGACY AMENDMENT

Log Books 13-14 of the USS Essex

December 3, 1882 - June 9, 1883

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship

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USS *Essex* Log Books 13-14

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Books 13-14 of the USS *Essex*: December 3, 1882 - June 9, 1883

The National Archives houses USS *Essex* Log Books 13 and 14, near duplicates of each other; one begins in November and ends in May, while the other begins in December and ends in June. Throughout Log Books 13 and 14, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice*-versa
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, scraping and slushing spars, steam cutter maintenance/repair, steam/sail launch maintenance/repair
- crew conducting drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection

- liberty parties sent ashore
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- Sunday services after the reading of the Articles for Better Government of the Navy

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Books 13-14, in early December 1882, the USS *Essex* was at anchor in Callao Bay, Peru. She was under Commander Alexander H. McCormick and belonged to the US Pacific Squadron. *Essex* was stationed in the middle of the War of the Pacific that began in 1879. As the crew previously described on September 30 and October 16 in *Essex* Log Books 11-12, they again observed the Great Comet of 1882 in the eastern sky during last part of Midnight to 4 am watch on December 3, 1882. On December 5, the sloop-of-war USS *Lackawanna* anchored in the bay. The next day, the *Essex* crew attempted and failed to retrieve the ship's cutter's smokestack that had fallen overboard during the night. Also, the ship received a visit from the Commanding Officer of gunboat HMS (Her Majesty's Ship) *Rocket*. On December 7, British Flagship battleship HMS *Swiftsur*e and HMS sloop-of-war *Mutine* entered the harbor and anchored; HMS *Rocket* left the port, flying her 'homeward bound' pennant. The next day, *Essex's* Commanding Officer McCormick paid official visits to foreign ships in the port. Between December 9-14, Essex transferred crewmen found unfit for service due to medical conditions to Flagship steam sloop USS *Pensacola*. Sloop HMS *Kingfisher* and a Chilean steamer anchored in Callao Bay, while USS *Lackawanna* and USS *Pensacola* took to sea. On December 16 French Flagship ironclad *Montcalm* and HMS *Swiftsure* fired salutes with Austrian flag at the fore for an unknown reason. *Essex* sent an officer to board American barque *Mohican* and Chilean Flagship armored frigate *Blanco Encalada* left the harbor. On December 18, Commander Alexander McCormick offered a bounty for the return of an AWOL crewman.

On December 19, the ship's Engineering Department hoisted the boiler out of the steam cutter for repairs, an English steamer left Callao Bay, and the next day a Chilean steamer anchored in the port. On December 21, Commander McCormick ordered Essex's flag be lowered to half-mast, acknowledging a funeral aboard HMS *Swiftsure*. Over the next few days, *Essex* offered - and paid out - a bounty the for return of an AWOL crewman, the ship received an official visit from HMS *Mutine* before she left the harbor and a Pacific Steam Navigation Company vessel arrived at anchor. On Christmas Day, Commander McCormick suspended all work and drills and encouraged the crew to enjoy the day; although, an exception was made for the payment of a

reward for delivery of an AWOL crewman. Once again, on December 26, the steam cutter was hoisted onto the ship's deck and the boiler was removed for repairs. For the next few days until the end of the month, *Essex* officers boarded the American barque *Elmira Robinson*, and sloop HMS *Sappho* came to anchor; *Essex* sent an officer for a courtesy visit that was reciprocated, Further, an English mail steamer and a German steamer left Callao Bay; *Essex* and the German vessel dipped colors.Three steamers entered the port - one from the north and two from the south. *Essex* boarded the vessel that came from the north to retrieve the US Pacific Squadron's mail.

On January 1, 1883, *Blanco Encalada* entered Callao Bay and anchored. The next day, Commander McCormick visited the Chilean ship, as well as HMS *Sappho*. On January 3, the Commanding Officer of *Blanco Encalada* and the US Consul based at Callao paid *Essex* official visits. A French man-of-war anchored and *Essex* sent an officer to the ship for a courtesy visit. The next day, a board of ship's officers conducted a survey of the Herreshoff coil boiler on the steam cutter because of the persistent problems with the equipment. Also, *Blanco Encalada* left the bay and returned a short time later, while HMS *Kingfisher* exited the harbor. In addition, the Commanding Officer of the French cruiser *Eclaireur* and an officer from *Blanco Encalada* visited Essex. On January 5, an *Essex* officer left the ship and boarded a mail steamer that arrived in the harbor, having traveled from the north. Also, a Chilean minister visited the ship, *Montcalm* and HMS *Swiftsure* fired salutes with the Chilean flag at the fore, and HMS *Kingfisher* entered the harbor. On January 10, the American full-rigged ship *Belle O'Brien** anchored in the bay and an *Essex* officer boarded her, and the next day HMS *Sappho* left Callao. Two days later, *Essex* flew half-masted colors with the French flagship *Montcalm* on account of the death of French statesman Leon Gambetta in late December 1882, and a French officer paid an official visit to the ship. A port side surface blowpipe developed a leak that required attention from the Engineering Department. The crew shifted some stores and one of the starboard boilers was filled in order to make the ship list and expose the blowpipe for maintenance. Two Pacific Steam Navigation Company (out of England) ships entered the harbor and *Essex* received mail from one of them.

On January 14, the *Montcalm* left Callao and the next day, a small Chilean gunboat arrived in the harbor. The shore fort fired a 21-gun salute that was answered by Chilean Flagship *Blanco Encalada*. Two days later, a Chilean transport anchored in the port, Essex officers boarded the Chilean corvette *Pilcomayo*, and *Blanco Encalada* went to sea. Over the next week, the Commanding Officer from *Pilcomayo* visited *Essex*, the USS *Hartford* came to anchor, and Commander McCormick delivered mail for the crew that *Essex* had collected from mail steamers. The next day, *Hartford's* Commanding Officer made an official visit to the ship and on the following day, he signaled *Essex* to send a boat to *Hartford* to pick up mail from the crew. Meanwhile, the Chilean ironclad *Huascar*** entered the harbor and *Pilcomayo* fired a 13-gun salute with the American ensign at the fore, Commander McCormick paid an official visit to *Huascar*, and the Italian corvette *Archimedes* left the harbor. On January 23, the Engineering Department hoisted the fixed boiler into the ship's steam cutter. Two days later, an American barkentine arrived at Callao and Commander McCormick sent three *Essex* officers to be members of a Board of Survey on the *Hartford*. During the last week of January, *Essex*

lowered her colors to half-mast in recognition of a funeral on the sloop-of-war USS *Iroquois*. Then, *Iroquois* was put in quarantine due to yellow fever onboard and she soon left Callao. Once again *Essex* lowered her ensign to half-mast along with *Hartford* for a funeral on that ship. *Hartford* then shifted her anchorage near San Lorenzo Island and hoisted the quarantine flag as a warning. On January 31, an English mail steamer left port, corvette HMS *Comus* and Flagship USS *Pensacola* entered the harbor and anchored, and Commander McCormick visited the flagship..

On February 1, 1883, Essex lowered her colors to half-mast in honor of five US Rear Admirals who passed away in November and December 1882: Hugh Y Purviance, James F. Schenck, James H. Strong, Fabian Stanley and Robert H. Wyman. The Commanding Officer of USS *Pensacola* visited *Essex*. On February 3, English and Chilean steamers anchored in the bay and two days later, the *Essex* received Rear Admiral A. K. Hughes, Commander of US Pacific Fleet, on board. On the same day, HMS *Comus* came to anchor. During the time Rear Admiral Hughes remained in port, the American ships *Essex*, *Hartford*, and Flagship *Pensacola* busily exchanged maritime signals for several days. On February 11 and 12, HMS *Kingfisher* left Callao and sloop HMS *Gannet**** anchored in the harbor. Admiral Hughes's pennant was lowered from USS *Pensacola* and the ship left the harbor. The admiral's flag was then raised on the new Pacific Squadron Flagship - USS *Hartford*. In mid-February, HMS *Gannet* and the northward-bound mail steamer left harbor, and the Commanding Officer of HMS *Sappho* visited *Essex*. The bark-rigged Chilean gunboat *Chacabuco* entered the port and an *Essex* officer extended the usual courtesies. Another Chilean steamer anchored in the port and HMS *Sappho* departed Callao. Late on February 20, the Chilean Flagship armored frigate *Almirante Cochrane* entered Callao Bay; the next morning, *Essex* received a visit from a *Cochrane* officer. On February 22, *Essex* was dressed in honor of George Washington's birthday, and USS *Hartford,* HMS *Comus,* and *Almirante Cochrane* fired salutes in commemoration. The next day, Commander McCormick sent officers to the foreign ships to thank them for the salutes. During the last week of February, USS *Essex* and Flagship USS *Hartford* exchanged maritime signals throughout the days, and a Chilean mail steamer anchored in the harbor.

On March 1, 1883, the *Essex* crew were busy cleaning the copper of the ship's sailing launch, cleaning hammocks, and crew inspections while the *Almirante Cochrane* left Callao Bay. On March 4, *Blanco Encalada* entered the harbor and anchored and Commander McCormick sent an Essex officer sent to extend the usual courtesies to the Chilean frigate. A Pacific Steam Navigation Company steamer anchored and another left harbor, both dipping colors to *Essex*; also, a Chilean troop transport loaded with men left the port. On March 5, *Essex* received a visit from an HMS *Comus* officer and her Engineering Department started her engine in order to loosen a piston rod. The next day, *Essex* left Callao Bay and headed northward. She passed San Lorenzo and Fronton Lights, Point Malatas, and she anchored in Ancon Bay, Peru. The ship received a visit from an officer from the Italian corvette *Archimedes* and Commander McCormick reciprocated the courtesy. Then, on March 7, the Commanding Officer of *Archimedes* made an official visit to *Essex*. Five days later, *Essex* left Ancon Bay heading southward, and once again anchored in Callao Bay, Peru. She took bearings off the San

Lorenzo Light. The Commanding Officer of Station Ship USS *Onward* paid an official visit to *Essex*. *Blanco Encalada* left harbor flying her 'homeward bound' pennant, an American bark and Flagship USS *Hartford* anchored in the bay; Commander McCormick paid *Hartford* an official visit

On March 13, USS *Essex* once again departed Callao Bay for Ancon Bay and once anchored, an officer from the *Archimedes* visited the ship and invited *Essex* to dress ship tomorrow in honor of Italian King Umberto's birthday. As a result, the next day *Essex* was dressed with rainbows, Commander McCormick paid an official visit to Italian corvette *Vettor Pisani*, and the Italians fired a 21-gun salute for the king. On March 15 and 16, the Commanding Officers of *Archimedes* and *Vettor Pisani* came aboard *Essex* and thanked the crew for dressing the ship and showing their respect for the king. On March 19, *Essex* and *Archimedes* left Ancon Bay; *Essex* headed south and anchored in Callao Bay. Once again Commander McCormick visited Flagship USS *Hartford*, and *Essex* accepted official visits from French Flagship ironclad *Montcalm* and Chilean ironclad *Huascar*. The next day, Commander McCormick reciprocated with official visits to *Montecalm* and *Huasca*r; *Archimedes* and *Huascar* went to sea. On March 21, the Engineering Department took delivery of a new crankshaft from the United States. The next day Flagship USS *Hartford* went to sea and very late at night, the *Essex* crew endured a 'Beat To Quarters' drill.

On March 23, *Montcalm* 'cockbilled' her yards in a sign of mourning and fired her guns hourly - for an unknown reason. German corvette *Moltke* anchored in Callao Bay and an *Essex* officer was sent to extend usual courtesies; *Moltke* reciprocated. Over the next three days, *Essex* sent her gig to convey Mr. James R. Partridge, the US Minister to Peru, to a steamship for passage to the United States.**** In addition, seven *Essex* naval cadets were detached from ship for passage to Annapolis for their promotion exams. Two steamers, a Chilean transport, and *Huascar* anchored in the bay, and Commander McCormick paid an official visit to *Moltke*. An *Essex* officer extended courtesies to *Huascar* - *Huascar* reciprocated - and the Commanding Officers of *Moltke* and *Huascar* visited *Essex.* On March 27 and for the next four days, the Engineering Department workforce engaged in disconnecting the *Essex's* engine in order to replace the crankshaft. Several ships enter the bay and anchor: Chilean corvette *Chacabuco*, HMS *Comus*, a Pacific Steam Navigation Company vessel from Panama with mail for the squadron, a mail steamer from the south, and Italian corvette *Vettor Pisani*. Further, Commander McCormick visited HMS *Comus* and *Huascar*, an *Essex* officer extended courtesies to *Vettor Pisani*, officers from *Moltke* and HMS *Comus* visit *Essex*, and then HMS *Comus*, *Moltke*, and *Montcalm* left Callao Bay.

On April 1, 1883, the *Chacabuco* left the harbor and the Commanding Officer of *Vettor Pisani* paid *Essex* an official visit. On April 2, the Engineering Department crew made the final preparations for hoisting the ship's crankshaft. Once completed, the crankshaft was sent ashore with the purpose of fitting the new high pressure crank that arrived from the US on March 21. The British gunboat *Heroine* anchored and an *Essex* officer boarded the vessel to extend the usual civilities. On April 3 the Commanding Officer of *Heroine* visited the ship and afterward, Commander McCormick ordered a strict

quarantine of *Essex* due to reports of an imminent epidemic - probably cholera - on shore. Chilean authorities brought American Fred M. Ker on board for extradition - “on the application of the President of the United States” - from Peru to the US, since Chilean authorities were not willing to hold Ker in confinement ashore. Pinkerton Detective H. G. Julian had custody of Ker and brought him onto *Essex*.***** The next day, Commander McCormick visited HMS *Heroine* and then she, *Huascar*, and a, Pacific Steam Navigation Company ship left the harbor. Between April 7 and 11, *Essex* and Station Ship USS *Onward* signaled each other in army code concerning shifting the position of *Onward* to San Lorenzo Island. News was also received that their patient - whomever that was - was improving. The *Essex* crew was busy lowering a boom that was brought inboard for repairs and they were refitting yards and sails. Two Pacific Steam Navigation Company ship, one from the north and one from the south, *Huascar*, Italian Flagship corvette *Carraciola* came to anchor in Callao Bay.

On April 13 and during the next week, *Onward* shifted her berth to San Lorenzo Island due to sickness on board. *Archimedes* and English corvette HMS *Constance* anchored in the bay while ; French Flagship ironclad *Montcalm* anchored off San Lorenzo Island. Commanding Officer McCormick and his officers visit the three ships and Essex received foreign officers on board to render the usual courtesies. On April 21, HMS *Constance* left Callao Bay and the Chilean transport *Amazonas* anchored in the harbor. Over the two days, *Vettor Pisani* left the bay and German frigate *Moltke* arrived and anchored; *Essex* sent an officer sent to tender the usual civilities. On April 25, the *Essex* crew lowered the ship’s main yard and prepared to install the refurbished crankshaft into the interior of the vessel. Commander McCormick and his counterpart on *Moltke* exchanged visits to each other’s ships. The next day, the *Essex* work crew successfully hoisted the crankshaft aboard and lowered it into place. On April 27, Flagship steam sloop USS *Pensacola* anchored in the harbor; both US and foreign warships fired salutes to her. The next day, English and Chilean steamers anchored in Callao Bay and Essex received an official visit from the Commanding Officer of USS *Pensacola*. On April 30, Rear Admiral A. K. Hughes, Commander of US Pacific Fleet, left his Flagship USS *Pensacola* in order to pay an official visit to USS *Essex*.

On May 1, 1883, the Engineer Force of USS *Essex* was still employed in putting the engine back together after installing the new crankshaft. Workers also put on the yard and mast covers, hoisted the smokestack, and hoisted in the steam and sailing launches. The ship’s crew was also busy receiving provisions and a French Admiral made an official visit to ship. Pinkerton Detective H. G. Julian boarded *Essex* for passage to Honolulu, where he would head back to the United States with his prisoner, Fred M. Ker. During the next week, the Engineers Force continued the task of reconnecting the engine and two *Essex* seamen were transferred to steamer *Columbia* to be sent back to New York for hospitalization. USS *Pensacola* shifted her anchorage nearer to San Lorenzo Island, and French corvette *Hugon* and French flagship *Montcalm* anchored in the bay. On May 6, thew crew observed a near total eclipse of the sun near sunset at their position; in other parts of the Pacific Ocean, the solar eclipse was total. On May 8, the Engineers Force completed the engine repairs and two days later, *Essex* eft Callao Bay, Peru, heading for Honolulu, Sandwich Islands.

Moncalm left Callao with *Essex* and together they passed Hormigas Rocks, a dangerous navigation hazard. Once underway, the ship progressed across the Pacific Ocean primarily under sail, only switching to steam when swinging the ship to check for compass deviation and calibration. Also along the way, the crew kept busy scraping and painting the ship. On May 12, the compass check procedure was suspended due to cloudy conditions; a successful compass deviation check is performed using the bearing of the sun. The procedure was temporarily suspended again on May 30 due to the inability of the engine to go ahead.

In early June 1883, USS *Essex* was sailing toward Honolulu in the Sandwich Islands, steaming when compass deviation procedures were required. Ship's maintenance and cleaning were daily occupations for the crew. Long distances in the open ocean led to some crew infractions, to the point where some crew members were put in irons for 'safekeeping' due to drunkenness. Additionally, on June 9, one sailor was punished for having a party in sick bay, as *Essex* continued sailing onward to the northwest.

*American full-rigged ship *Belle O'Brien* sank in 1895 off the coast of Ireland.
**Chilean ironclad *Huascar* is still afloat as a museum ship, anchored at Talcahuano, Chile.
***HMS *Gannet* is still afloat as a museum ship in Chatham, England.
****Mr. Partridge was re-called to the United States by Secretary of State Frelinghuysen in February 1883 because he - without authorization - met with the European Ministers for Peru and advocated for their intervention in Chilean/Peruvian hostilities. Mr Partridge committed suicide in February 1884.
*****Fred M. Ker had stolen between $50,000 and $150,000 (sums differ depending on the source) from his Chicago employer, a bank. He fled to Panama under different aliases. H. G. Julian pursued Ker and befriended him. Once in Peru, Julian petitioned to extradite Ker back to the US, and received permission to do so. Once Fred M. Ker was extradited to the US, the Ker case became embroiled in issues of 'kidnapping' from a country bound by US treaty and the legal responsibilities of a nation within a US treaty to be forced to accept a fugitive for asylum.

Tags:
American Ships: full-rigged ship *Belle O'Brien*, barque *Elmira Robinson*, sloop-of-war USS *Essex*, sloop-of-war Flagship USS *Hartford*, sloop-of-war USS *Iroquois*, sloop-of-war USS *Lackawanna*, sloop-of-war, barque *Mohican*, steam sloop Flagship USS *Pensacola*

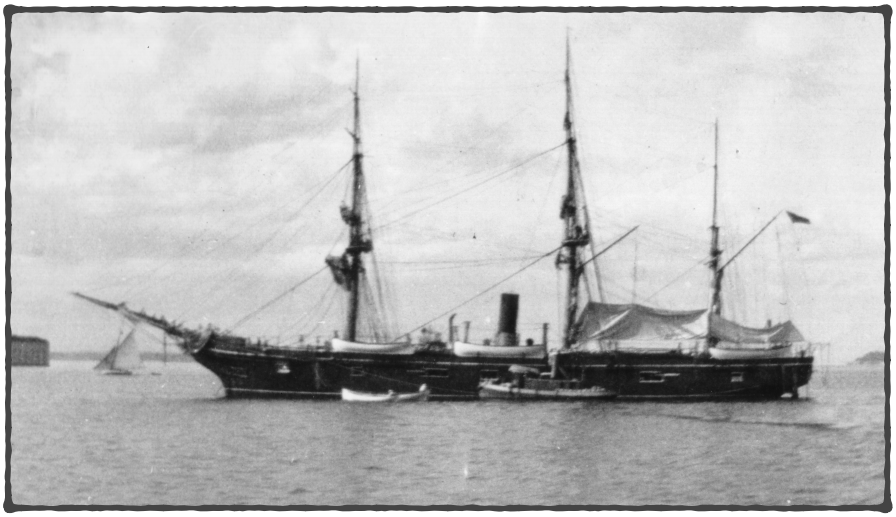
British Ships: corvette HMS *Comus*, corvette HMS *Constance*, sloop HMS *Gannet,* gunboat *Heroine*, *sloop HMS Kingfisher,* sloop-of-war HMS *Mutine,* gunboat HMS *Rocket*, sloop HMS *Sappho*, Flagship battleship HMS *Swiftsure*

Chilean Ships: Flagship armored frigate *Almirante Cochrane*, transport *Amazonas* Flagship armored frigate *Blanco Encalada*, bark-rigged gunboat *Chacabuco*, ironclad *Huascar*, Station Ship USS *Onward*, corvette *Pilcomayo*

French Ships: corvette *Hugon*, Flagship ironclad *Montcalm*, cruiser *Eclaireur*

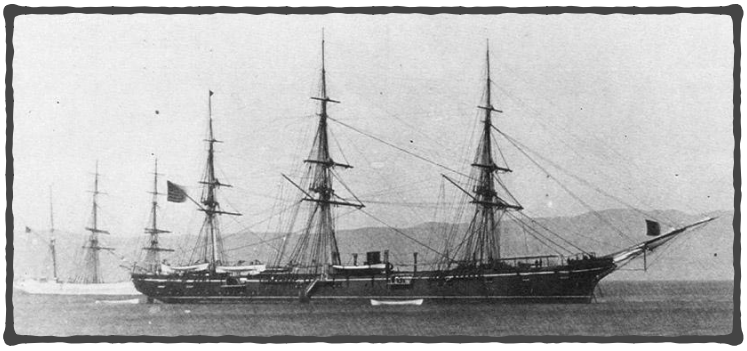
German Ship: corvette *Moltke*

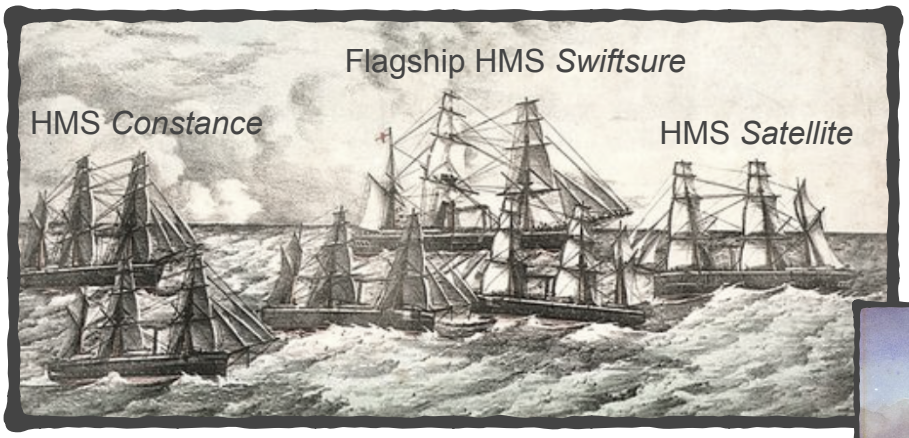
Italian Ships: corvette *Archimedes,* Flagship corvette *Carraciola*, corvette *Vettor Pisani*



USS *Essex*

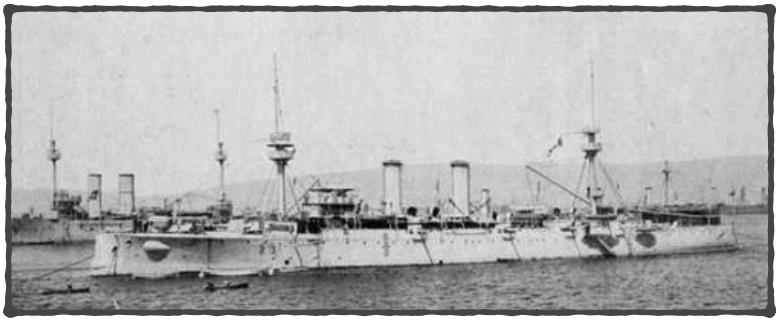
USS *Lackawanna*





HMS *Sappho* HMS *Mutine* HMS *Kingfisher*

HMS *Comus*



Blanco Encalada

LOG BOOK

OF THE

U. S. S Steamer "Essex"

3d RATE

OF 6 GUNS,

COMMANDED BY

Commander A. H. McCormick, U. S. Navy,

Attached _____, to Squadron,

Commencing December 3d, 1882,

at Callao. Peru. S. A ,

and ending June 9th, 1883,

at Sea. making passage from Callao. Peru.
to Honolulu. Sandwich Islands.

BUREAU OF NAVIGATION,

NAVY DEPARTMENT,

1875.

LIST OF OFFICERS

Attached to and on board of the U. S. S. "Essex" 3d Rate, commanded by Comdr A. H. McCormick, U. S. N., at the time of leaving the anchorage at League Island Pa the day of November, 1881.

NAME.	RANK.	NAME.	RANK.
A. H. McCormick	Commander.		
M. R. S. Mackenzie	Lieutenant		
W. H. Parker	"		
Wainwright Kellogg	"		
Karl Rohrer	"		
C. P. Ames	"		
W. M. Irwin	Master		
R. B. Dashiell	P. Midn.		
Henry C. Haines	"		
Geo. P. Blow	"		
Geo. Barnett	"		
W. L. A. Emmet	"		
M. L. Ruth	Surgeon.		
L. A. Yorke	P. A. Paymaster		
A. P. McCartney	Chief Engineer		
F. F. Hoffman	P. A. Engineer		
Martin Bevington	A. Engineer		
A. C. Redgrave	Cadet Engr		
W. H. Gartley	" "		
O. C. Berry Shaw	1st Lieut. U. S. M. C.		
Jacob Harder	Pay. Clerk		

Examined and found to be correct.

W. H. Parker
Lt + Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S. "Essex," (3d Rate)

commanded by Comdr A. H. McCormick, U. S. N., during a cruise on the

Station from , 18 , to end of cruise , 18 .

NAME.	RANK.	TIME OF OCCURRENCE, AND PARTICULARS.
H. O. Dunn	Ensign	Reported for duty Oct 19. 1882.
Jacob Harder	Pay Clerk	Resigned October 26. 1882.
R. B. Dashiell	Naval Cadet	Detached March 24. 1883.
H. C. Haines	"	" " 24. 1883.
Geo. P. Blow	"	" " 24. 1883.
Geo. Barnett	"	" " 24. 1883.
W L R Emmet	"	" " 24. 1883.
A C. Redgrave	"	" " 24. 1883.
H. H. Gartley	"	" " 24. 1883.
Thos. C. Prince	"	Rptd for temporary duty March 21. 1883
John F. Blandin	"	" " " " " 21. 1883
A L Key	"	" " " " " 21. 1883
Philo N. McGiffin	"	" " " " " 21. 1883
Chas. E. Fames	Pay Clerk	Reported for duty March 10. 1883.
Thos. C. Prince	Naval Cadet	Detached, ordered to U.S.S Pensacola. April 27. 83
John F. Blandin	"	" " " " 27. 1883
A L Key	"	" " " " 27. 1883
Philo N. McGiffin	"	" " " " 27. 1883

Examined and found to be correct.

W. H. Parker

Lt + Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S. "Essex." 3d Rate at first commissioning, November 12th, 1881.

RATES.	NUMBER.
Chief Boatswains Mate	1
Boatswains Mates	3
Chief Gunners Mate	1
Chief Quartermaster	1
Quartermasters	3
Coxswains	3
Captains of Forecastle	2
" " Tops	2
" " After Guard	2
Quarter Gunners	3
Sailmakers Mate	1
Captain of Hold	1
Ships Cook	1
Carpenters Mate	1
Armorer	1
Blacksmith (Ships)	1
Painter 2d Class	1
Jack of Dust	1
Ships Corporal	1
Finisher	2
Boilermaker	1
Blacksmith. Engineers.	1
Carpenters & Caulkers	2
Cooper	1
Schoolmaster	1
Ships Writer	1
Paymaw	1
Bugler	1
Seamen	11
Ordinary Seamen	10
Landsmen.	11
Apprentices	33
1st Class Firemen	7
2d " "	6
Lands. Engrs Force	12
Master at Arms	1
Apothecary	1
Ships Yeoman	1
Paymasters Yeoman	1
Engineers Yeoman	1
Cabin Steward	1
" Cook	1
Wardroom Steward	1
" Cooks	1

RATES.	NUMBER.
Steerage Steward	1
" Cook	1
Orderly Sergt. Marines	1
Sergeants "	1
Corporals "	2
Musicians "	2
Privates "	20

Examined and found to be correct.

W. S. T. Clarke
Lt + Navigator

ARMAMENT

Of the U. S. S. "Essex." 3d Rate

NO. OF GUNS.	CALIBER.	DESCRIPTION.	WEIGHT.
1	8"	M. L. R. 'converted'	17425-
1	5".3	60 pdr 'Parrott' B. L. R.	5234
4	IX in	Dahlgren. S. B.	36720
1	3"	B. L. R. H. (light.)	350
1	4"6	M L. H. (light.)	430
1	0.45.	Gatling. (short)	350

BOATS.

1 Steam Launch
1 Sailing Launch
1 Cutter
2 Whale Boats
1 Dinghy.

SMALL ARMS.

60. Hotchkiss Mag. Rifles. Cal 45-
43. Pistols
13. Revolvers. Colts. Altered

Examined and found to be correct.

W. S. Parker
Lt + Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard

Compass on board the U. S. S Essex 3rd rate

DATE: May 14th, 1883. ~~PLACE~~: Lat 10° 36' S Long 86° 53' W

Magnetic Variation, 11 *degrees* E. ~~minutes~~, *at same time and place.*

LANDMARK OBSERVED.		BEARINGS TAKEN BY Standard Compass.		~~LOCAL DEVIATION~~.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR −).
Name of Landmark.	True ~~Magnetic~~ Bearing ~~by Altitude~~ Astronomical Observation.	Ship's Head.	~~Landmark Observed.~~ by Stand. Comp.	Compass Error	
- Sun -	S 116.7 W	NORTH.	S 107.0 W	9.7 E	1.3 W
	116.3	N. by E.	106.5	9.8	1.2 "
	116.0	N. N. E.	106.0	10.1	1.0 "
	115.6	N. E. by N.	105.5	10.1	0.9 "
	115.3	N. E.	105.0	10.3	0.7 "
	115.1	N. E. by E.	105.0	10.1	0.9 "
	114.8	E. N. E.	104.0	10.8	0.2 "
	114.5	E. by N.	103.5	11.1	0.0
	114.3	EAST.	103.5	10.8	0.2 "
	114.0	E. by S.	—	—	—
	113.8	E. S. E.	~~103~~.5	10.3	0.7 "
	112.5	S. E. by E.	104.0	9.5	1.5 "
	113.2	S. E.	103.5	9.7	1.3 "
	113.0	S. E. by S.	103.0	10.1	1.0 "
	112.8	S. S. E.	103.0	9.8	1.2 "
	112.2	S. by E.	102.0	10.2	0.8 "
	111.9	SOUTH.	101.5	10.4	0.6 "
	111.8	S. by W.	101.0	10.8	0.2 "
	111.5	S. S. W.	101.0	10.5	0.5 "
	111.2	S. W. by S.	100.5	10.7	0.3 "
	111.1	S. W.	101.0	10.1	0.9 "
	110.9	S. W. by W.	100.0	10.9	0.1 "
	110.8	W. S. W.	100.0	10.8	0.2 "
	110.6	W. by S.	101.5	10.6	0.4 "
	110.4	WEST.	100.5	9.9	1.1 "
	118.9	W. by N.	105.5	9.4	1.6 "
	118.5	W. N. W.	105.0	9.5	1.5 "
	118.2	N. W. by W.	110.0	8.2	2.8 "
	117.9	N. W.	110.8	7.9	3.1 "
	117.5	N. W. by N.	105.5	8.0	3.0 "
	117.3	N. N. W.	106.5	8.8	2.2 "
	116.8	N. by W.	108.5	8.3	2.7 "
		NORTH.			
		N. N. E.			
		N. E.			
		E. N. E.			
		EAST.			
		E. S. E.			
		S. E.			
		S. S. E.			
		SOUTH.			
		S. S. W.			
		S. W.			
		W. S. W.			
		WEST.			
		W. N. W.			
		N. W.			
		N. N. W.			

Examined and found to be correct.

W. H. Parker

Lt & *Navigator.*

OBSERVATIONS for determining the LOCAL DEVIATION of the

Compass on board the U. S. S

DATE: , 18 . PLACE:

Magnetic Variation, degrees minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY ..... Compass.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ or −).
Name of Landmark.	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
		NORTH.			
		N. by E.			
		N. N. E.			
		N. E. by N.			
		N. E.			
		N. E. by E.			
		E. N. E.			
		E. by N.			
		EAST.			
		E. by S.			
		E. S. E.			
		S. E. by E.			
		S. E.			
		S. E. by S.			
		S S. E.			
		S. by E.			
		SOUTH.			
		S. by W.			
		S. S. W.			
		S. W. by S.			
		S. W.			
		S. W. by W.			
		W. S. W.			
		W. by S.			
		WEST.			
		W. by N.			
		W. N. W.			
		N. W. by W.			
		N. W.			
		N. W. by N.			
		N. N. W.			
		N. by W.			
		NORTH.			
		N. N. E.			
		N. E.			
		E. N. E.			
		EAST.			
		E. S. E.			
		S. E.			
		S. S. E.			
		SOUTH.			
		S. S. W.			
		S. W.			
		W. S. W.			
		WEST.			
		W. N. W.			
		N. W.			
		N. N. W.			

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.03	68	66	63		bc	Cr cum	11	8	
2	"		"	"	1		30.02	68	66	63		"	"	4	"	
3	"		"	"	1		30.02	68	66	64		"	"	4	"	
4	"		ESE	ESE	1		30.00	66	65	62		"	"	3	"	
5	"		"	Calm	0		30.00	66	65	62		"	"	3	"	
6	"		E	"	0		30.00	66	65	62		"	"	3	"	
7	"		S.	"	0		30.03	66	65	62		"	"	6	"	
8	"		"	"	0		30.05	66	65	62		"	"	7	"	
9	"		S.W.	S.W.	1		30.07	69	67	65		"	"	6	"	
10	"		WNW	WNW.	1		30.07	71	68	66		"	"	7	"	
11	"		"	"	1		30.07	71	69	66		"	"	9	"	
Noon.	"		"	"	1		30.07	71	69	66		"	"	7	"	

P. M.																
1	"		S×W.	S×W	1		30.05	71	69	65		bc	Ci cum	6	"	
2	"		"	"	1		30.03	71	70	65		"	"	6	"	
3	"		S	S	1		30.02	72	71	66		"	"	5	"	
4	"		"	"	1		30.02	72	71	66		"	"	5	"	
5	"		"	SSE	1		30.03	71	67	64		"	"	11	"	
6	"		SSE	"	1		30.05	71	67	64		"	"	4	"	
7	"		"	S	1		30.08	70	66	63		"	"	4	"	
8	"		"	SSE	1		30.10	70	67	64		oc	Ci Cum & Numb	0	"	
9	"		"	"	1		30.08	70	67	64		"	Numb	0	"	
10	"		"	"	1		30.08	70	67	64		bc	Ci cum	5	"	
11	"		"	"	1		30.06	70	67	64		"	"	6	"	
Mid.	"		"	"	1		30.05	70	67	64		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1800 "

Coal consumed during the preceding 24 hours — tons 600 lbs.

Coal remaining on hand at Noon — 118 " 516 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, December 3d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Bright moon and starlight. Light airs from S.S.E. The comet in sight in the eastern heavens in early part of watch

Ward Nolan, KR Asst

4 to 8 A.M. Clear and warm. Light breeze from S.E. and calms. At 7.30 flagship made signal 3356. Received in Pay Dept 105 lbs fresh beef and 84 loaves fresh bread.

Winnington Thos Kellogg

WK Asst

8 A.M to Meridian. Clear pleasant weather. Light airs from S.W. and S.S.W. Barometer steady. Aneroid 29.98 at noon. At 9.30 called all hands to muster and read the "Articles for the better government of the Navy" and Department general order No 30. and general order of Nov. 6. 1882 in relation to the death of Rear Admiral Poor. U.S.N. Absent without leave, Andrew George (Sea). At 10.20 flagship made general signal 3837 and numerical 10.25 and at 11.20 general signal 1087.

H.O. Dimm Ensign

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling Cirro-cumulus clouds. Light breeze from S to S by W. Aneroid bar. 29.94

Ward Nolan, Asst

4 to 8 P.M. Cloudy but pleasant, overcast last hour, Light airs from S.S.E and South. Barometer rising. Aneroid 30.00 at end of watch. At 6.00 flagship made general signal 2985.

H.O. Dimm. Ensign

8 P.M to Midnight. Weather clear and pleasant Barometer falling. Clouds cirro-cumulus and nimbus, Light breeze from S.S.E. Aneroid barometer 29.98.

Ward Nolan KR Asst

Moon's mid Examined and found to be correct.
Dec 3° 28' 15" S
Phase, New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru. SA.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E by S.	S S E.	1		30.04	69	67	65		bcu	circum	6	S.	
2	"		"	"	1		30.02	69	67	65		"	"	7	"	
3	"		E.	Calm	0		30.02	69	67	65		"	.	5	"	
4	"		"	"	0		30.01	69	67	65		"	.	6	"	
5	"		S S E.	.	0		30.00	66	65	63		"	.	6	"	
6	"		N. N E.	.	0		30.05	65	63	61		"	"	8	"	
7	"		N.	.	0		30.07	67	64	62		"	.	8	"	
8	"		N. N. W.	.	0		30.08	67	65	63		"	"	9	"	
9	"		"	"	0		30.08	67	65	63		"	"	9	"	
10	"		S. S W.	S S W.	2		30.08	69	68	65		"	"	7	"	
11	"		S	S	2		30.05	70	68	65		.	"	7	"	
Noon.	"		"	"	2		30.03	70	68	65		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1470 "

Coal consumed during the preceding 24 hours — tons 600 lbs.

Coal remaining on hand at Noon — 117 " 2156 "

P. M.																
1	"		S S E.	S S E	2		30.03	71	69	67		bc	circum	6	"	
2	"		"	"	1		30.03	71	69	67		"	"	5	"	
3	"		S by E.	S by E.	1		30.02	73	69	67		"	"	5	"	
4	"		"	"	1		30.02	73	69	67		"	"	5	"	
5	"		S S E.	S S E.	1		30.03	72	68	67		"	.	3	"	
6	"		"	"	1		30.03	72	68	67		"	circum fact	2	"	
7	"		"	"	1		30.03	70	67	66		"	"	5	"	
8	"		"	"	1		30.05	70	67	66		"	"	6	"	
9	"		"	"	1		30.06	70	67	66		"	"	6	"	
10	"		"	"	1		30.07	70	67	66		"	"	7	"	
11	"		E S E.	E S E	1		30.07	70	67	66		"	"	7	"	
Mid.	"		S S E	S S E	1		30.07	70	67	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday December 1st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Weather clear and pleasant, Calm. Barometer falling. Aneroid 29.92.

J. Rae Smith

4 to 8 A.M. Generally clear and pleasant. Calm all the watch. Misty around horizon. Barometer rising. Aneroid 30.00 at end of watch. At 7.30 flagship made general signal 3650 and at 7.38. 6071. Crossed royal yards with flagship. By order of Commanding Officer confined J. Cobau. (OS2C) for four days on bread and water for deliberately disobeying orders aloft.

H. O. Dunn Ensign.

8 AM to Meridian. Weather clear and pleasant. Light breze from S to S.S.W. Barometer falling. Cirro-cumulus clouds. At 9.30 mustered and inspected at quarters. Exercised 1st div. at great guns. 2d div. at single sticks 3d and Powder divs. at small arms. Received on board one (1) set of charts and sailing directions for China station. Confined David Brickshaw (Fireman) in double irons for safe keeping. by order of Comdg Officer.

Harl Norbeck Jr Smith

Meridian to 4 PM. Weather clear and pleasant. Light airs from S and E. Barometer steady. Aneroid 29.98.

J. Rae Smith

4 to 8 P.M. Weather pleasant. Light breze from S.S.E. Barometer steady Cirro-cumulus and stratus clouds. At 5.50 flagship made signal preparatory. No 6070. Answd, and at 6.00 she made signal No 6070. Answd and sent down royal yards. Aneroid barometer 29.99.

Harl Norbeck Jr Smith

8 PM to Midnight, Weather clear and pleasant, Bright starlight. Light airs from S.S.E. Barometer steady. Aneroid 30.0.

J. Rae Smith

Mom'l mid

Dec 1st 28 19' S.

Phase New moon

Examined and found to be correct.

W. H. Pagon Jr

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Gallao Bay. Peru. S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE.	SE.	1		30.02	69	66	64		bc	Cumm mist	2	S	
2	"		"	"	1		30.00	69	66	64		"	Ci cumm	4	"	
3	"		"	Calm.	0		30.00	69	66	64		"	"	5	"	
4	"		"	"	0		30.00	69	66	64		"	"	4	"	
5	"		ESE.	ESE.	1		30.02	69	67	65		"	Ci cumm N cumm	3	"	
6	"		S×E	S×E.	1		30.02	68	67	65		"	"	3	"	
7	"		"	"	1		30.03	68	67	65		"	"	2	"	
8	"		"	"	1		30.03	68	67	65		"	"	2	"	
9	"		S	S	1		30.05	69	68	65		"	"	4	"	
10	"		SSW.	S×W.	1		30.06	70	69	65		"	"	6	"	
11	"		"	"	1		30.06	71	70	66		"	"	8	"	
Noon.	"		"	"	1		30.05	71	71	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water received during the preceding 24 hours	750	"	
Water remaining on hand fit for use at Noon	1890	"	
Coal consumed during the preceding 24 hours	tons 600	lbs.	
Coal remaining on hand at Noon	117 " 1456	"	

P. M.																
1	"		S.	S.	1		30.02	73	71	66		bc	Ci cumm N cumm	6	"	
2	"		"	"	1		30.02	73	71	66		"	"	6	"	
3	"		"	"	1		30.00	73	71	66		"	"	6	"	
4	"		"	"	1		29.98	73	71	66		"	"	6	"	
5	"		SSE	SSE	2		29.99	70	66	64		"	"	4	"	
6	"		"	"	2		30.00	70	66	64		"	"	4	"	
7	"		"	"	2		30.00	70	65	63		"	Cumulo	4	"	
8	"		"	"	1		30.00	70	66	64		"	"	4	"	
9	"		"	"	1		30.04	70	67	64		"	Cumm & numb	0	"	
10	"		"	"	1		30.03	69	67	64		"	"	0	"	
11	"		S	"	1		30.04	69	68	65		"	"	0	"	
Mid.	"		SSE	"	1		30.04	68	68	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday December 5th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather, Calms and light airs from S.E. Aneroid barometer 29.94.

W. M. Simon
Master

4 to 8 A.M. Weather pleasant. Light breeze from S.S.E to S by E. Barometer rising. Clouds cirro-cumulus and cumulus. At 7.30 flagship made signal No 3350. Aneroid. Received on board for crew 106 lbs fresh beef 106 lbs of vegetables and 84 loaves of bread. Aneroid barometer 29.98

Frank Robinson AR Asst

8 A.M to Meridian. Weather clear and warm. Light airs from S.E. and N to S.E. and E., Barometer rising. Mustered at general quarters at 9.30. Received on board 750 gallons of fresh water. By order of Commanding Officer John P. O'Neil. 'Os 26.' is given three days extra duty for neglect of duty. David Cruickshank 'Fireman' liberty and money stopped for two months for being tight and fighting on return from liberty. and Max Lazarus 'Engs 1st Co.' liberty and monthly money stopped for one month for splashing on berth deck. Aneroid at end of watch 29.98.

P. Ross Asst

Meridian to 4 P.M. Weather cloudy and pleasant. U.S.S. "Lackawanna" entered the harbor and anchored at 1.50 P.M. Gotup and spread poop awning. Aneroid at end of watch 29.92.

W. M. Simon Master

4 to 8 P.M. Weather cloudy and pleasant, Gentle breeze from S.S.E. Mustered at quarters at 4.45. At 6.00 the "Pensacola" made signal 2986. Aneroid at end of watch 29.93.

P. Ross Asst

8 P.M to Midnight. Overcast and cloudy. Light airs from S.S.E. Barometer steady. Aneroid barometer 29.98.

W. M. Simon
Master

Moon's mid Dec 11° 12' 69" S.
Phase, New moon.

Examined and found to be correct.

W. H. Parker
Asst & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E	S E	1		30.00	68	66	64		ocm	Cirrocumulus	0	S	
2	"		"	"	1		30.00	68	66	64		bc	"	1	"	
3	"		"	"	1		30.00	68	66	64		"	"	1	"	
4	"		"	"	1		30.00	68	66	64		"	"	1	"	
5	"		S + E	Calm	0		30.00	68	66	64		bcm	"	3	"	
6	"		"	S + E	0-1		30.03	68	66	64		"	Cirrocumulus	3	"	
7	"		"	"	0-1		30.05	68	67	65		"	Cirrocumulus	3	"	
8	"		"	Calm	0		30.07	68	67	65		"	"	1	"	
9	"		"	"	0		30.08	70	69	66		"	Cirrocumulus	3	"	
10	"		S W	S W	1		30.08	70	70	67		"	"	6	"	
11	"		"	"	1		30.08	70	70	67		"	"	6	"	
Noon.	"		"	"	1		30.08	71	70	67		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1535 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 117 " 1156 "

P. M.																
1	"		S	S S E.	1		30.04	71	70	66		bc	Cirrocumulus	8	"	
2	"		S S E	"	1		30.04	72	71	66		"	"	8	"	
3	"		"	"	1		30.02	72	70	65		"	"	8	"	
4	"		"	"	1		30.00	72	70	66		"	"	8	"	
5	"		"	"	1		30.00	72	70	66		"	"	3	"	
6	"		"	"	1		30.00	72	70	66		"	"	3	"	
7	"		"	"	1		30.00	70	65	63		"	"	3	"	
8	"		"	"	1		30.02	70	65	63		"	"	3	"	
9	"		"	S E × S	2		30.04	70	67	64		"	Cumulus	2	"	
10	"		"	"	2		30.04	68	66	64		"	"	3	"	
11	"		S E.	S E	2		30.02	68	66	64		ocm	"	0	"	
Mid.	"		"	"	2		30.02	68	66	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, December 6th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Damp. Light breeze from SE. Aneroid 29.94.
Wainwright-Kellogg
COR Lieut

4 to 8 A.M. Weather cloudy and pleasant, Barometer rising. Received on board for ships use 105 lbs. fresh beef and 84 loaves of bread. The smokestack of Steam cutter was found to have fallen overboard during the night. Grappled for it without success. Aneroid 29.98.
Lieut

8 A.M. to Meridian. Cloudy and hazy. Light airs from S.W. Adg.o went to quarters for inspection and mustered the crew. exercised 1st and 3d divisions and Marine guard at small arms 2d division at great guns and Navigator's division at cutlass sticks. Commanding Officer left the ship to pay official visits. From 11 A.M. to noon held general signal exercise, Aneroid barometer 29.96.
W. H. Simms
Master

Meridian to 4 P.M. Clear and warm, Light to moderate breeze from S.S.E. Received an official visit from Commanding Officer of H.B.M.S. "Rocket". Aneroid 29.98.
Wainwright-Kellogg
COR Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S.S.E. Went to quarters at 4.45 and served out clean hammocks. At 5.50 flagship "Pensacola" made signal (prep.) 6143. Answd. At 6.15 sent down top-gallant yards. At 6.10 "Pensacola" made signal (General) 4581. Got up hammock girtlines. Aneroid barometer 29.98.
W. H. Simms
Master

8 P.M. to Midnight. Clear and damp. Light breeze from S.E. Aneroid 29.98.
Wainwright-Kellogg
COR Lieut

Moon 1 mid
Dec 14° 33' 23" S
Phase, New moon

Examined and found to be correct.

W. H. Parker
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	1		30.00	68	66	64		oc m	Cir cum Mumb	0	S	
2	"		"	"	1		30.00	68	66	64		"	"	0	"	
3	"		SSE.	SSE.	1		29.98	67	66	64		bc m	Cir cum	3	"	
4	"		E.	E.	1		29.95	67	66	63		"	"	4	"	
5	"		"	"	1		29.95	67	66	63		"	"	4	"	
6	"		SSE.	SSE	1		29.95	67	66	63		"	"	4	"	
7	"		"	"	1		30.00	67	66	63		"	"	4	"	
8	"		"	"	1		30.00	67	66	63		"	"	4	"	
9	"		"	"	1		30.00	67	66	63		"	"	4	"	
10	"		S.	S	1		30.03	70	69	66		"	Cir cum Cirr	3	"	
11	"		"	"	1		30.03	70	69	66		bc	"	4	"	
Noon.	"		"	"	1		30.03	70	69	66		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	335	gallons.	
Water received during the preceding 24 hours	750	"	
Water remaining on hand fit for use at Noon	1970	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	117	" 856	"

P. M.																
1	"		S	S.	1		30.03	70	69	66		bc	Cir cum	6	"	
2	"		"	"	1		30.05	70	69	66		"	"	6	"	
3	"		"	"	2		30.02	70	67	64		oc	"	0	"	
4	"		"	"	2		30.00	70	66	64		"	"	0	"	
5	"		"	"	2		30.00	70	66	64		bc m	"	2	"	
6	"		SSE	SSE.	2		29.96	68	66	64		oc m	"	0	"	
7	"		"	"	2		29.98	68	66	64		bc m	"	1	"	
8	"		"	"	2		30.00	68	66	64		"	"	4	"	
9	"		"	"	1		30.01	67	65	63		bc	"	6	"	
10	"		"	"	1		30.02	67	65	63		oc m	"	0	"	
11	"		"	"	1		30.02	67	65	63		"	"	0	"	
Mid.	"		"	"	1		30.03	67	65	63		bc m	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, December 7th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy first part, clearing a little last two hours. Misty. Light airs from S.S.E and E.S.E. Barometer falling. Aneroid 29.92 at end of watch.

H. O. Dunn Ensign

4 to 8 A.M. Cloudy and hazy. Light airs from S.S.E. Scrubbed hammocks. At 7.36 "Pensacola" made general signal 3350. Answd At 7.35 "Pensacola" made signal (prep) 6069. At 7.52 crossed topgallant and royal yards. Aneroid barometer 29.94

W. W. Smith Master

8 A.M. to Meridian. Clear and hot. Light breeze from S.E. At 9.30 mustered at quarters; exercised 1st div. at single sticks, 2d at small arms, 3d at great guns, Navigators at small arms, and Marines at small arms. H.M.S.s "Swiftsure" and "Mutine" came in and anchored. Aneroid 29.92.

Warren Lee-Kellogg Lieut

Meridian to 4 P.M. Clear and pleasant first part, overcast cloudy and misty latter part of watch. Light airs and breezes from South. Barometer steady. Aneroid 29.92. H.M.S. "Rocket" left the harbor flying her homeward bound pennant. Churched ships. At 1.30 Commanding Officer of H.M.S. "Mutine" paid an official visit aboard and at 2.30 Commanding Officer of U.S.S. "Lackawanna" came on board. At 2.20 flagship made general signal 3918 and at 2.30 general signal 2985. Re-onboarding Pay Deficit 780 gals. fresh water for ships use.

H. O. Dunn Ensign

4 to 8 P.M. Hazy. Warm. Light breeze from S.S.E. At 4.45 mustered at quarters and turned in clear hammocks. At 5.50 flagship made signal 6068. Sent down topgallant and royal yards. Aneroid 29.96.

Warren Lee-Kellogg Lieut

8 P.M. to Midnight. Overcast and cloudy, clearing last hour. Misty. Light airs from S.S.E. Barometer steady. Aneroid 29.96 at midnight. Comet in sight last hour but greatly diminished in intensity

H. O. Dunn Ensign

Moon l mid. Examined and found to be correct.
Dec 14° 19' 00" S.
Phase, New moon.

W. S. T. Carter
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S x E.	S x E	2		30.00	67	66	65		bcm	ci cumb	6	S	
2	"		"	"	2		29.98	67	66	64		oc m	cumulo	0	"	
3	"		S	S.	1		29.96	67	65	64		"	"	0	"	
4	"		"	"	1		29.96	67	65	64		"	"	0	"	
5	"		"	"	1		29.97	65	65	64		bc	"	4	"	
6	"		"	"	1		29.97	65	65	63		"	"	4	"	
7	"		"	"	1		29.99	65	65	63		"	"	4	"	
8	"		"	"	1		30.00	65	65	63		"	"	4	"	
9	"		S S W	S S W.	1		30.04	67	66	64		bcz	"	3	"	
10	"		"	"	1		30.06	69	68	65		"	"	6	"	
11	"		"	"	1		30.06	69	68	65		"	"	8	"	
Noon.	"		"	"	1		30.04	69	68	65		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1635 "

Coal consumed during the preceding 24 hours tons 1/00 lbs.

Coal remaining on hand at Noon 117 " 156 "

P. M.																
1	"		S x E.	S x E.	1		30.02	70	69	66		bcm	ci cumb strb	2	"	
2	"		"	"	1		30.00	70	69	66		"	ci cumb	4	"	
3	"		"	"	1		29.98	70	69	66		"	"	4	"	
4	"		"	"	1		29.97	70	69	66		"	"	5	"	
5	"		S S E.	S S E	1		29.97	71	68	65		"	"	4	"	
6	"		"	"	1		29.98	71	67	65		"	"	1	"	
7	"		"	"	1		30.00	70	66	64		oc m	cumulo	0	"	
8	"		"	"	1		30.02	70	66	64		bc	"	2	"	
9	"		"	"	1		30.04	69	67	64		"	ci cumb strb	2	"	
10	"		"	"	1		30.03	68	67	64		"	"	2	"	
11	"		"	"	1		30.03	68	66	64		"	"	3	"	
Mid.	"		"	"	1		30.00	68	66	64		oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, December 8, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, Barometer falling. Clouds cirro-cumulus, cumulus and nimbus. Light breeze from S by E and South Aneroid barometer 29.92.

Harl Rohrer, 2d Lieut

4 to 8 A.M. Cloudy. Misty. Light breeze from S. At 7.30 flagship made signal 6 1/4 A. At 7.50 crossed topgallant yards. Aneroid 29.98.

Wainwright Kellogg, 2d Lieut

8 A.M. to Meridian. Generally clear and pleasant with light haze around horizon. Light airs from S.S.W. Barometer rising slowly. Aneroid 29.98 at noon. By order of Commanding Officer awarded two days extra duty to Henry Kline (O) for not staying in boat when boat keeper. Relieved John R. Cobar, (O) 26 from confinement his term of punishment having expired. At 10.00 the Commanding Officer left the ship to return official visits. At 11.20 flagship made general signal 1087.

A. O. Dunn, Ensign

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Cirro-cumulus and stratus clouds. Light breeze from S by E. At 3.30 flagship made signal No. 2984. Answd. Aneroid barometer 29.92.

Harl Rohrer, 2d Lieut

4 to 8 P.M. Cloudy and overcast last part. Misty. Light airs from S.S.E. Barometer rising. Aneroid 29.96. at end of watch. At 4.45 mustered at quarters.

A. O. Dunn, Ensign

8 P.M. to Midnight, Weather pleasant. Light airs from S by E. Barometer steady. Clouds cirro-cumulus and cumulus. Aneroid bar 29.96.

Harl Rohrer, 2d Lieut

Moon's mid Dec 19° 18' 54" S
Phase. New moon.

Examined and found to be correct.

W. S. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE.	SE	1		30.00	68	66	64		ocd	Cum & Mint	0	S	
2	"		"	"	1		30.00	68	66	64		"	"	0	"	
3	"		"	"	0-1		30.00	68	66	64		"	"	0	"	
4	"		"	Calm	0		29.99	68	66	64		"	"	0	"	
5	"		"	"	0		29.98	68	66	64		ocm	"	0	"	
6	"		"	"	0		29.98	68	66	64		"	"	0	"	
7	"		"	"	0		30.00	67	66	64		bc	Cir Cum	1	"	
8	"		"	"	0		30.02	67	66	64		ocm	"	0	"	
9	"		S	S x W.	1		30.05	68	68	66		bc	Cir Cum Cumb	1	"	
10	"		S SW.	S SW	1		30.05	68	69	66		"	"	4	"	
11	"		"	"	1		30.06	71	69	67		"	"	4	"	
Noon.	"		SW.	"	1		30.06	71	71	66		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 335 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 116 " 2096 "

P. M.																
1	"		S.	S	1		30.01	71	70	66		bcy	Cir Cum Cumb	8	"	
2	"		"	"	1		30.02	71	69	65		"	"	1	"	
3	"		SSE	SSE	1		30.00	70	69	65		"	"	1	"	
4	"		"	"	1		29.98	70	69	65		bc	Cir Cum	3	"	
5	"		"	"	1		29.98	70	68	65		"	"	2	"	
6	"		"	SE x S.	1		29.99	69	66	64		"	Cir Cum Strat	4	"	
7	"		"	"	1		30.00	69	66	64		"	"	1	"	
8	"		"	"	1		30.02	69	66	64		"	"	1	"	
9	"		"	SSE	1		30.02	68	66	64		ocn	Cum Mint	0	"	
10	"		"	"	1		30.02	68	66	64		bc	"	3	"	
11	"		"	"	1		30.00	67	65	63		"	"	3	"	
Mid.	"		"	"	1		29.98	67	65	63		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, December 9th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather overcast with heavy fall of dew. Light airs from S. and E. and calms. Barometer steady. Aneroid 29.92

Lieut.

4 to 8 A.M. Overcast, and cloudy with heavy mist first hour. Calm all the watch. Barometer rising. Aneroid 29.96 at end of watch. At 7.25 flagship made General Signal 2372 and at 7.30. 3350. Received on board in Paymaster's Department 105 lbs of fresh beef, 105 lbs fresh vegetables and 84 loaves of bread.

Ensign

8 A.M. to Meridian. Weather pleasant. Barometer rising. Light airs from S by W to S S W. Clouds cirro-cumulus and cumulus. A Chilian steamer came into harbor. At 9.05 flagship made signal No. 1087.-Answered. Aneroid barometer 29.96.

Lieut

Meridian to 4 P.M. Weather hazy and pleasant. Barometer falling. Light breze from S. and E., Wm. H. Warriner, 'Eds' left boat without permission and remained ashore. Aneroid 29.90.

Lieut

4 to 8 P.M. Weather pleasant, Barometer rising. Clouds cirro-cumulus and stratus. Light breze from S S E to S E by S. At 4.45 mustered at quarters and found Andrew George. (Sea) James McGinley. 'Sea' and Wm. H. Warriner, 'Eds.' absent from the ship without leave. Aneroid barometer 29.94.

Lieut

8 P.M. to Midnight. Weather cloudy with light rain first hour of watch afterwards growing clear. Barometer falling. Aneroid 29.93.

Lieut

Moon's mid Dec 20° 22' 20" S. Phase. New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE×S	SE×S.	2		29.96	67	65	63		ocm	Cumb	0	S	
2	"		"	"	2		29.94	67	68	63		bcm	"	4	"	
3	"		"	"	1		29.92	67	65	63		"	"	6	"	
4	"		S×E	S×E	1		29.91	67	65	63		"	"	6	"	
5	"		"	"	1		29.92	67	65	63		ocm	"	0	"	
6	"		"	"	1		29.94	67	64	62		"	"	0	"	
7	"		"	"	1		29.97	66	64	62		"	"	0	"	
8	"		SSE	SSE	1		29.98	66	64	62		"	"	0	"	
9	"		"	"	1		29.99	68	64	62		"	"	0	"	
10	"		S×W.	S×W.	1		29.99	70	67	64		bcm	circum	1	"	
11	"		"	"	1		29.99	70	68	65		"	"	1	"	
Noon.	"		"	"	1		29.99	70	68	65		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 335 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 965 "

Coal consumed during the preceding 24 hours — tons 7/00 lbs.

Coal remaining on hand at Noon — 116 " 1396 "

P. M.																
1	"		SSE	SSE	1		29.98	69	68	65		bcm	Circum Cumb	3	"	
2	"		"	"	1		29.97	69	68	65		"	"	3	"	
3	"		"	"	1		29.96	69	68	65		"	"	2	"	
4	"		"	"	1		29.96	69	68	65		"	Circum Cumb	4	"	
5	"		"	"	1		29.94	69	68	65		"	"	3	"	
6	"		"	"	1		29.92	69	68	65		"	"	3	"	
7	"		"	"	1		29.93	69	68	65		"	"	3	"	
8	"		"	"	1		29.94	69	68	65		"	"	3	"	
9	"		"	"	1		29.96	70	66	64		"	Cumb & Cumb	2	"	
10	"		"	"	1		29.98	70	68	65		"	"	6	"	
11	"		"	"	2		29.98	68	67	64		"	"	5	"	
Mid.	"		"	"	2		29.98	68	67	64		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, December 10th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty, partly clearing latter part, light breeze from S.E. by S. Aneroid barometer 29.88.

W.W. Smith Master

4 to 8 A.M. Weather cloudy and hazy. Light airs from S by E. Barometer rising. Cumulus and nimbus clouds. At 7.30 flagship made signal No. 3350. Aneroid, Received on board for use of crew. 105 lbs of fresh beef, 185 lbs of vegetables and 84 loaves of bread. Aneroid barometer 29.92.

Karl Rohrer, R Lieut

8 A.M. to Meridian. Weather overcast and pleasant, light airs from S.S.E. to S by W. Barometer steady. The Commanding Officer inspected the ship and crew at quarters at 9.30. Robert E. Henry, 1st boy, left the 10.30 boat without permission and remained on shore. Aneroid at end of watch 29.92.

[illegible] Lieut

Meridian to 4 P.M. Pleasant weather, light breeze from S.S.E. to S by W. Aneroid barometer at the close 29.92.

W.W. Smith Master

4 to 8 P.M. Weather cloudy and pleasant, light drizzling rain last hour of watch. Barometer falling. Light airs from S.S.E. At 6.00 the "Pensacola" signalled 29.85. Aneroid 29.82.

[illegible] Lieut

8 P.M. to Midnight. Cloudy and cool. Light airs from S.S.E. Aneroid barometer 29.94

W.W. Smith Master

Moon 2 mid
Dec 20° 21' 18" S
Phase. New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	Calm	0		29.98	67	66	64		bcd	Cum Nimb	5	8	
2	"		"	"	0		29.96	66	65	63		bcdm	Cum	7	"	
3	"		S W	"	0		29.95	65	65	62		"	"	6	"	
4	"		"	"	0		29.94	65	65	62		"	"	6	"	
5	"		"	"	0		29.95	65	65	62		"	"	6	"	
6	"		"	"	0		29.95	65	65	62		"	"	3	"	
7	"		S S W	"	0		29.95	65	65	63		bcm	"	0	"	
8	"		"	"	0		29.95	65	65	63		"	"	0	"	
9	"		S S W	S S W.	1		29.96	65	63	61		"	"	0	"	
10	"		"	Calm	0		30.00	68	65	63		bc	Cir Cum	3	"	
11	"		W	W S W.	1		30.00	68	66	64		"	"	6	"	
Noon.	"		W S W.	W.	1		30.00	68	66	64		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	365		gallons.
Water received during the preceding 24 hours	—		"
Water remaining on hand fit for use at Noon	600		"
Coal consumed during the preceding 24 hours	tons 1200		lbs.
Coal remaining on hand at Noon	126 "	196	"

P. M.																
1	"		W S W	W.	1		30.00	68	66	64		bcm	Cir Cum	4	"	
2	"		"	"	1		29.97	68	66	64		"	"	4	"	
3	"		"	"	1		29.94	68	66	64		"	"	4	"	
4	"		W × S.	W × S.	1		29.94	68	66	64		"	"	4	"	
5	"		S E	S E	1		29.92	67	65	63		"	"	3	"	
6	"		"	"	1		29.92	67	65	63		"	Cir Cum Strat	3	"	
7	"		S S E	S S E	1		29.94	67	65	63		"	"	2	"	
8	"		"	"	1		29.96	67	65	63		bcm	Cu Nimb	0	"	
9	"		E S E	E S E.	1		29.97	68	65	63		"	"	0	"	
10	"		"	S E	1		29.97	68	66	64		"	"	0	"	
11	"		"	E S E	1		29.97	68	66	64		"	"	0	"	
Mid.	"		S E	"	1		29.95	67	65	63		"	"	0		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. December 11th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Misty. Light variable airs. Aneroid 29.90
Wainwright-Kellogg COK Lieut

4 to 8 A.M. Weather cloudy and calm. Barometer steady. At 7.30 the flagship made signal 3350 and bt 735. 671. At 7.45 crossed royal yards. By order of Commanding Officer placed Robt E. Henry, 1CB and W. W. Warriner, Eds in double irons to await further action for leaving boat without permission. Aneroid 29.98

Lieut

8 A.M to Meridian. Pleasant weather. Calms and light variable airs Received on board in Equipt Dept. 10 tons of coal. Sent ashore a descriptive list of each of the following named men, absent without leave, with an offer of ten dollars reward for apprehension and delivery of each one.- E. Flaherty 1st C. Trainor. (CM.) A. Woolley. Sea. M. Sullivan 1st C. James Cameron 1st C. Jas. Williams (Jof D.) and T. J. Markey (Pot'M.) At 11.45 Thos Trainor 'CM' came on board, 4 hrs. overtime. Aneroid Barometer 29.95.

W M Barnes
Master

Meridian to 4 P.M. Weather overcast-hazy and cool. Light breeze from W. By order of Commanding Officer. Robt E. Henry 1CB and W. W. Warriner (Eds) were given five days sol. Comft on bread and water and monthly money stopped for three months for leaving boat without permission. Received 750 galls of water from Water boat, Acc'd in Equipt Dept 100 corn brooms and 35 yds of Cotton ravens duck. Confined Wm Warriner 'Eds' for five days for leaving boat. By order of Commanding Officer. Addd George 'Sea' is declared a deserter from this day. At 12.30 Jas Cameron 'CM' returned on board, 5 hrs overtime. At 2.15 M. Sullivan '1st C' returned on board, 7 hrs overtime. Jas Williams (Jof D.) A. Woolley Sea E. Flaherty (1st C.) & T. J. Markey (PM.) were brought on board by police authorities. At 3.30 flagship made signal 2984. Started fires for distilling at 3.35 p.m. ~~Commenced distilling~~ Confined Jas Williams (Jof D) in double irons for safe keeping Aneroid bar. 29.90.

Wainwright-Kellogg COK Lieut

4 to 8 P.M. Cloudy and pleasant. Light breeze varying between S and S.S.E. At 4.45 went to quarters for inspection. At 5.45 Pensacola made signal general 60. 70. Answd Commenced distilling at 6. sent down royal yards. Aneroid barometer 29.92.

W M Barnes
Master

8 P.M to Midnight. Cloudy. Damp. Light variable airs. Distilling
Aneroid 29.96.

Wainwright-Kellogg COK Lieut

Moon's mid Examined and found to be correct.
Dec 19° 11' 49" S
Phase. First quarter.

W. H. Parker
Lieut-G Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE	1		29.93	67	65	63		ocm	Ci Cumb	0	S	
2	"		"	"	1		29.91	67	65	63		"	"	0	"	
3	"		"	"	1		29.91	67	65	63		"	"	0	"	
4	"		"	"	1		29.91	67	66	63		"	"	0	"	
5	"		N	Calm	0		29.93	66	66	64		"	Cu. Numb	0	"	
6	"		"	"	0		29.95	66	66	64		"	"	0	"	
7	"		"	"	0		29.98	66	66	64		"	"	0	"	
8	"		"	NW.	0-1		30.01	66	66	64		"	"	0	"	
9	"		NNW	Calm	0		30.01	67	66	64		"	"	0	"	
10	"		"	"	0		30.01	67	67	65		bc	Cir Cumb	2	"	
11	"		E.	SE	1		30.00	67	68	65		"	"	4	"	
Noon.	"		SSW.	SSE.	1		30.00	69	69	66		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 550 gallons.

Water received during the preceding 24 hours — 750 "

Water remaining on hand fit for use at Noon — 1800 " Distilled for use — 2600 "

Coal consumed during the preceding 24 hours — 1 tons 2060 lbs.

Coal remaining on hand at Noon — 124 " 376 "

P. M.																
1	"		SSE	SSE	1		30.00	70	69	66		bc	Cir Cumb	6	"	
2	"		"	"	1		29.98	71	71	66		"	"	4	"	
3	"		"	"	1		29.98	71	71	66		"	"	4	"	
4	"		"	"	1		29.98	70	71	66		"	"	3	"	
5	"		"	"	1		30.00	71	68	65		"	"	4	"	
6	"		SE.	SE	1		30.00	70	67	64		"	"	4	"	
7	"		SSE.	SSE	1		29.98	70	66	63		"	"	4	"	
8	"		SE	"	1		30.00	70	66	64		"	"	4	"	
9	"		"	SE.	1		30.01	70	66	64		"	"	2	"	
10	"		"	"	1		30.02	70	66	64		ocm	Cu Numb	0	"	
11	"		"	"	1		30.02	68	66	64		"	"	0	"	
Mid.	"		"	"	1		30.02	68	66	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday December 12, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy with very heavy mist, Light airs from S.E. Barometer steady. Aneroid 29.90 at end of watch. Distilling water for ships use

H.O. Dunn. Ensign

4 to 8 A.M. Overcast cloudy and misty. Calm. Barometer rising Stopped distilling at 7.15 and hauled fires. "Pensacola" made signal (general) 3350 at 7.30. Aneroid barometer 29.96.

W.W. Smith Master

8 A.M to Meridian. Cloudy first two hours of watch, clear remainder, Light variable airs. At 9.30 went to general quarters and exercised all divisions. At 10.00 flagship made signal 10.87. Aneroid 29.96.

Wainwright Kellogg USN Lieut

Meridian to 4 P.M. Cloudy but mild and pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.90 at end of watch. Sent a liberty party on shore.

H.O. Dunn. Ensign

4 to 8 P.M. Clouds. Pleasant. Light breze from S.S.E. At 4.45 mustered at quarters. At 5.55 flagship made signal Co 68. and at 6.05 sent down t'gallant yards. Aneroid 29.95. Wainwright Kellogg

USN Lieut

8 P.M to Midnight, Cloudy first half of watch. overcast and misty last half of watch, Light airs from S.E. Barometer steady. Aneroid 29.94 at midnight.

H.O. Dunn Ensign

Moon l mid Dec. 16° 56' 02" S. Phase. First quarter

Examined and found to be correct.

W. S. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE	SSE.	1		29.99	68	66	64		bcz	cir cum & cir	3	S.	
2	"		SSE.	"	1		29.98	68	66	63		"	"	2	"	
3	"		"	SSE	1		29.98	68	66	64		ocm	cum nimb	0	"	
4	"		"	SSE.	1		29.98	68	66	64		"	"	0	"	
5	"		SE.	SE	0-1		29.98	67	66	64		"	"	0	"	
6	"		"	"	0-1		30.00	67	66	64		"	"	0	"	
7	"		"	"	0-1		30.02	67	66	64		"	"	0	"	
8	"		"	"	1		30.02	67	66	64		"	"	0	"	
9	"		"	"	1		30.02	69	66	64		bcz	cir cum	2	"	
10	"		"	"	1		30.02	70	68	64		bcz	cir cum	4	"	
11	"		SxW.	SxW	1		30.04	70	68	65		"	"	3	"	
Noon.	"		"	"	1		30.04	70	68	65		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2250 "

Coal consumed during the preceding 24 hours — tons 1/00 lbs.

Coal remaining on hand at Noon — 123 " 1916 "

P. M.																
1	"		SxW	SxW	2		30.00	70	68	65		bc	cir cum & cum	3	"	
2	"		"	"	2		29.98	70	68	65		"	"	6	"	
3	"		"	"	3		29.98	70	68	65		ocm	"	0	"	
4	"		S	S	3		29.98	70	68	65		"	"	0	"	
5	"		SSE	SSE	1		29.96	68	65	63		"	"	0	"	
6	"		S	"	1		29.96	68	65	63		"	"	0	"	
7	"		SSE	"	2		29.95	68	64	63		bcz	"	2	"	
8	"		SE	"	2		29.97	67	65	63		"	"	6	"	
9	"		SSE	"	1		29.99	68	65	63		bcm	cir cum	7	"	
10	"		"	"	1		30.00	68	65	63		"	"	7	"	
11	"		"	"	2		30.00	68	65	63		"	"	6	"	
Mid.	"		"	"	2		29.99	68	65	63		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday December 13th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, Light breeze from E.S.E to S.S.E. Barometer steady. Clouds cirro-cumulus, stratus, cumulus and nimbus. Aneroid barometer 29.92.

Hart Rotheram, Lieut

4 to 8 A.M. Cloudy, Pleasant, Light breeze from E.S.E. H.B.M.S. "Kingfisher" came in and anchored. Received in Pay Dept. 105 lbs fresh beef 105 lbs. vegetables and 84 loaves of bread. Aneroid 29.96

Wainwright Kellogg Lieut

8 A.M to Meridian, Weather warm and pleasant but generally cloudy Hazy. Light airs from S.E and S.by.W. Barometer rising Aneroid 29.96 at noon. At 9.00 exercised at fire quarters, cast loose to 2m 20s and secured in 3m 20s. At 10.00 flag ship made general signal 5455. Loosed sail, At 10.10 flag ship made general signal 5763 and at 11.15. 4826. Furled sail after which flagship fired a salute of seven guns with American flag at the fore.

H.O.Dunn. Ensign.

Meridian to 4 P.M. Weather pleasant. Barometer falling Clouds cirro-cumulus and cumulus. Light to gentle breeze from S.by.W to S. The Commanding Officer of H.B.M.S. "Kingfisher" visited the ship officially. At 3.30 flagship made signal No 2984. Ans. Transferred to "Pensacola" the following named men condemned by medical survey.- Louis Stommer (Sea) Wm A. Paulson (Ships Blacksmith.) Hugh McCue. (Sea & F) Peter N Hunsted. (PM) and Geo H Horner. (PM) Received 500 five hundred gallons of water on board. Aneroid barometer 29.70.

Hart Rotheram, Lieut

4 to 8 P.M. Overcast and misty first part, clearing last hour with light haze. Light airs and breezes from S.S.E. Barometer steady. Aneroid 29.96 at end of watch. At 4.45 mustered at quarters.

H.O.Dunn. Ensign

8 P.M to Midnight. Weather pleasant, Barometer steady. Hazy Clouds cirro-cumulus. Light breeze from S.S.E, Aneroid bar. 29.92

Hart Rotheram Lieut.

Moon's mid Examined and found to be correct.
Dec 13° 21' 07" S.
Phase. First quarter

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	S	1		29.98	66	65	61		bcm	circum		S	
2	"		"	"	1		29.94	66	65	61		"	"		"	
3	"		"	"	1		29.94	66	65	61		"	"		"	
4	"		"	"	1		29.92	66	65	61		"	"		"	
5	"		E S E	S S E	1		29.94	66	63	62		"	"		"	
6	"		E. N E	Calm	0		29.98	69	63	62		"	"		"	
7	"		N W	"	0		30.00	68	63	62		"	"		"	
8	"		N N W	"	0		30.00	64	63	61		"	"		"	
9	"		"	N N W	0-1		30.00	68	64	62		"	"		"	
10	"		S S W.	S S W	0-1		30.01	67	66	64		"	"		"	
11	"		"	"	0-1		30.01	67	66	64		"	"		"	
Noon.	"		"	"	0-1		30.01	67	66	64		"	"		"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	335	gallons.
Water received during the preceding 24 hours	500	"
Water remaining on hand fit for use at Noon	2415	"
Coal consumed during the preceding 24 hours	tons 3	lbs. 00
Coal remaining on hand at Noon	123 "	1616 "

P. M.																
1	"		S × W	S × W	0-1		29.99	69	69	65		bc	circum	4	"	
2	"		"	"	0-1		29.99	69	69	65		"	"	3	"	
3	"		S S W	S S W.	1		29.98	70	69	65		"	"	4	"	
4	"		"	"	1		29.96	70	69	65		"	"	3	"	
5	"		S	S	1		29.95	70	69	66		"	"	4	"	
6	"		"	"	1		29.95	70	69	66		"	"	4	"	
7	"		"	"	1		29.96	69	66	64		"	"	4	"	
8	"		"	"	1		29.96	69	66	64		"	"	6	"	
9	"		S S E	S S E	0-1		29.99	69	67	65		"	"	6	"	
10	"		"	"	0-1		30.00	69	67	65		"	"	8	"	
11	"		"	"	0-1		30.00	68	66	64		boms	"	6	"	
Mid.	"		"	"	0-1		30.00	68	66	64		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, December 14th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Weather clear and pleasant. Light airs from SE Barometer falling. Aneroid at end of watch 29.96.

[signature] Lieut

4 to 8 AM. Weather cloudy but pleasant with very heavy mist first two hours. Light airs from S E and calm. Barometer rising 29.96 at ends of watch. At 4.35 U S S "Lackawanna" got under way and stood out to sea, At 7.30 flagship made general signal 3350.

[signature] Ensign

8 A M to Meridian. Weather clear and pleasant. Light airs from N N W and S S W. Barometer steady. Cirro-cumulus clouds. At 9.30 mustered and inspected crew at quarters: exercised 1st, 3d and Master's division at single sticks, and Marines and 2d division at small arms. Aneroid barometer 29.95.

[signature] Lieut

Meridian to 4 PM. Weather clear and warm. Light breeze from S S W. At 2.15. U S F S. "Pensacola" got underway and stood out of harbor. all men of war manning rigging and giving three cheers. The Flagships of foreign nations "[illegible]" our National air. Each salute was returned in kind by the "Pensacola" Aneroid 29.94.

[signature] Lieut

4 to 8 PM. Weather pleasant, Light breeze from S. Barometer steady. Cirro-cumulus clouds. At 4.45 mustered Sick at quarters. At 5.45 shade signal. Prep. No. 6068. and at 5.50 made signal Prep. No. 5422. at 5.55 made signal. No. 6068 and sent down royal and topgallant yards. and unbent light sails. At 6.10 made signal No 29.85. Aneroid barometer 29.93.

[signature] Lieut

8 PM to Midnight. Weather cloudy and pleasant, Light airs from S. S. E. Barometer steady. Aneroid 29.93.

[signature] Lieut

Moon's mid
Dec 9° 39' 13" S.
Phase, 1st quarter

Examined and found to be correct.

[signature]
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Dallao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.96	68	67	65		ocm	Cumulus	0	S	
2	"		"	"	1		29.96	68	66	64		"	"	0	"	
3	"		"	"	1		29.95	68	66	64		"	"	0	"	
4	"		"	"	1		29.94	68	66	64		"	"	0	"	
5	"		"	"	1		29.99	68	66	64		"	"	0	"	
6	"		"	"	1		29.99	68	66	64		"	"	0	"	
7	"		E×S.	E×S	1		30.00	68	66	64		bcm	"	1	"	
8	"		"	"	1		30.00	68	66	64		"	"	1	"	
9	"		S.E	S.E	1		30.02	68	67	65		bc	cir cum	3	"	
10	"		SSE	SSE	1		30.02	68	69	65		"	"	6	"	
11	"		S.	"	1		30.02	70	69	65		"	"	8	"	
Noon.	"		"	"	1		30.00	70	69	65		"	"	8	"	

P. M.																
1	"		S×S	S×S	1		30.00	70	69	66		bc	circum	5	"	
2	"		"	"	1		29.98	70	69	66		"	"	3	"	
3	"		"	"	1		29.96	70	69	66		bcm	Circum Cumulus	1	"	
4	"		"	"	1		29.96	69	68	65		ocm	"	0	"	
5	"		"	"	1		29.96	69	66	64		ocfd	"	0	"	
6	"		"	"	1		29.98	68	65	64		"	"	0	"	
7	"		"	"	1		29.98	68	65	64		"	"	0	"	
8	"		"	"	1		29.98	68	65	64		"	"	0	"	
9	"		SSE	SSE.	1		29.98	68	66	64		"	"	0	"	
10	"		"	"	1		30.00	67	66	63		"	"	0	"	
11	"		"	"	1		30.00	67	66	63		"	"	0	"	
Mid.	"		"	"	1		30.00	66	66	63		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2065 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 123 " 1316 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, December 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S.S.E. Aneroid barometer 29.94.

W. W. Brown
Master

4 to 8 A.M. Weather pleasant. Barometer rising. Light airs from S.S.E and E by S. Cumulus and nimbus clouds. Made signal No 3350 at 7.35. At 7.55 made signal (preparatory) No 61444. At 7.45 made signal No. 61444 and crossed topgallant yards. Aneroid barometer 29.98.

Ward Robinson 2d Lieut

8 A.M to Meridian. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Mustered at quarters at 9.30. By order of Commanding Officer Geo. H. Jordan, John W. Smith and James B. Stewart. Ldg Yn are given 2 days extra duty for evading orders of Ships Corporal, John A. Cobau, (O.S.C.) is given 2 days extra duty for having article in lucky bag. Aneroid at end of watch 29.92.

P. Kuorr Lieut

Meridian to 4 P.M. Clear and pleasant first two hours. overcast and misty last two hours with indications of a heavy fog. Light breze from S by E. Aneroid barometer 29.92.

W. W. Brown
Master

4 to 8 P.M. Weather overcast with light drizzling rain and thick fog. Barometer steady. Aneroid 29.94.

P. Kuorr Lieut

8 P.M to Midnight. Overcast cloudy and foggy with light drizzling rain. Light airs from S.S.E. Aneroid barometer 29.98.

W. W. Brown Master

Moon's mid
Dec 5° 04' 05" S.
Phase First-quarter

Examined and found to be correct.

W. S. F. Carter
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S × E.	Calm	0		30.00	68	65	63		ocfd	Nimb	0	S	
2	"		"	"	0		30.00	68	64	62		"	"	0	"	
3	"		NNW.	"	0		30.00	68	64	62		"	"	0	"	
4	"		"	"	0		30.00	68	64	62		"	"	0	"	
5	"		ENE.	"	0		29.98	68	64	63		"	"	0	"	
6	"		SSE.	"	0		30.00	66	64	63		ocf	"	0	"	
7	"		"	"	0		30.02	68	64	63		bcf	cir cum	2	"	
8	"		"	"	0		30.05	68	64	63		"	"	3	"	
9	"		SSW	"	0		30.05	67	67	66		"	"	4	"	
10	"		"	"	0		30.06	69	68	66		"	"	6	"	
11	"		"	S	1		30.06	70	68	66		"	"	7	"	
Noon.	"		"	"	1		30.06	70	68	66		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 500 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1565 "

Coal consumed during the preceding 24 hours tons 900 lbs.

Coal remaining on hand at Noon 123 " 416 "

P. M.															
1	"		SSW	S.	1		30.03	70	69	66		bcf	cir cum	6	"
2	"		"	SSE	1		30.02	70	69	66		"	"	6	"
3	"		SSE	"	1		30.00	71	70	67		"	"	4	"
4	"		S.	S	1		30.00	71	70	67		"	"	3	"
5	"		S × E	S × E	1		30.00	70	67	65		ocf	Nimb	0	"
6	"		"	SSE	1		30.00	69	66	64		oc	cum str	0	"
7	"		SSE.	"	1		30.00	68	66	64		"	"	0	"
8	"		"	"	1		30.00	68	66	64		"	cum Nimb	0	"
9	"		"	"	1		30.05	69	66	64		ocf	"	0	"
10	"		"	"	1		30.06	69	66	64		"	"	0	"
11	"		S	S	1		30.06	68	66	64		"	"	0	"
Mid.	"		"	"	1		30.06	68	66	64		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy.

Saturday. December 16th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Foggy. Calm. Aneroid 29.94.
Wainwright Lieut Kellogg OK Lieut

4 to 8 A.M. Weather overcast with drizzling rain first part of watch. clearing latter part, At 7.30 made dress signal 3350. The "Triquois" and "Onward" answered. Aneroid 29.98.
L. Rae Lieut

8 A.M to Meridian. Cloudy and hazy. Calm first part, light airs from S.E latter part, Hoisted out steam cutter but found her leaking badly hoisted her in again and overhauled her. Aneroid barometer 29.94.
W.W. Swan Master

Meridian to 4 P.M. Weather overcast and pleasant with light breze from S.E and E. At 2.00 the "Montcalm" fired a salute of 11 guns with the Austrian flag at the fore, and at 2.15 the "Swiftsure" fired a salute of 9 guns with the same flag at the fore, Sent an officer to board the American barque "Mohican" Sent Liberty party ashore. Aneroid 29.92.
Wainwright Lieut Kellogg OK Lieut

4 to 8 P.M. Overcast and cloudy. foggy first hour. Light breze from S.S.E. Went to quarters at 4.45. Hoisted out steam cutter. The Chilian ironclad "Alduco Encalada" left the harbor at 5.00. Aneroid bar. 29.96.
W.W. Swan Master

8 P.M. to Midnight. Overcast. Foggy. Light variable airs. Aneroid 30.00
Wainwright Lieut Kellogg OK Lieut

Moon Mid
Dec 0° 12′ 38″ S
Phase. First quarter.

Examined and found to be correct.

W. S. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.04	68	66	64		ocf	cumb	0	S.	
2	"		"	"	1		30.03	67	66	64		"	"	0	"	
3	"		"	"	1		30.03	67	66	64		"	"	0	"	
4	"		"	"	1		30.03	67	66	64		"	"	0	"	
5	"		"	Calm	0		30.04	67	66	64		"	nimb	0	"	
6	"		"	"	0		30.06	67	66	64		"	"	0	"	
7	"		E	NE	1		30.08	67	66	64		"	"	0	"	
8	"		"	Calm	0		30.10	67	66	64		bcf	cir cu nimb	2	"	
9	"		"	"	0		30.10	68	67	65		"	cir cum	3	"	
10	"		"	"	0		30.09	69	68	65		bc	"	4	"	
11	"		S.	S	1		30.09	70	69	66		"	"	4	"	
Noon.	"		"	"	1		30.09	71	70	67		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1215	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	123 "	116	"

P. M.																
1	"		S.	S	1		30.06	71	70	67		bo	cir cum	4	"	
2	"		"	"	1		30.04	71	70	67		"	"	8	"	
3	"		"	"	1		30.04	71	70	67		"	"	8	"	
4	"		"	"	1		30.04	71	70	67		"	"	8	"	
5	"		SSE	SSE.	1		30.04	72	69	66		"	"	6	"	
6	"		"	"	1		30.06	71	67	65		bcm	"	5	"	
7	"		"	"	1		30.04	70	66	64		"	"	3	"	
8	"		"	"	1		30.04	70	67	65		"	"	3	"	
9	"		"	"	2		30.05	70	66	64		bcf	nimb	3	"	
10	"		SE×S	SE×S	2		30.07	69	65	65		"	"	4	"	
11	"		"	"	1		30.09	68	65	65		"	"	3	"	
Mid.	"		"	"	1		30.10	68	65	65		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. December 17th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Overcast cloudy and foggy all the watch. Light airs from S.S.E. Barometer steady. Aneroid 29.98 at end of watch.

H. U. Munn Ensign

4 to 8 A.M. Overcast cloudy and foggy. Calm first part, light airs from N.E. latter part. Received on board 1st Pay. Dept. for use of crew 100 lbs fresh meat, 100 lbs vegetables and 80 loaves of bread. At 7.30 made signal (general.) 3350. Aneroid barometer 30.02.

W. W. Smith Master

8 A.M. to Meridian. Cloudy. Pleasant. Warm. Light airs and calms. At 9.30 mustered at quarters and Commanding Officer inspected ship and crew. Aneroid 30.00.

Wainwright Kellogg Lieut

Meridian to 4 P.M. Clear pleasant weather. Light airs from South. Barometer steady. Aneroid 29.98 at end of watch.

H. U. Munn. Ensign

4 to 8 P.M. Cloudy, misty. Light breeze from S.S.E. Aneroid bar. 30.00. John R. Cobau (O.S.) and Chas. Lloyd. (O.S.) left the 2d Whaleboat while ashore on duty without permission and remained on shore.

Wainwright Kellogg Lieut

8 P.M. to Midnight, Weather cloudy with thick fog. clearing to light mist last hour. Barometer rising, Aneroid 30.00 at midnight. Light breezes and airs from S.S.E and S.E by S.

H. U. Munn. Ensign

Moon's mid. Examined and found to be correct.
Dec 4° 42' 42° N.
Phase, First-quarter.

W. W. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE	1		30.08	67	66	64		ocm	Cus Numb	0		
2	"		"	"	1		30.06	67	66	64		"	"	0		
3	"		"	"	1		30.04	67	66	64		"	"	0		
4	"		"	"	1		30.04	67	66	64		bcm	Cir Cum Cumb	2		
5	"		SSE	SSE	1		30.04	67	66	64		ocm	"	0		
6	"		"	"	1		30.06	68	66	64		"	"	0		
7	"		"	"	1		30.08	68	65	64		"	"	0		
8	"		"	"	1		30.10	67	65	64		"	"	0		
9	"		"	"	1		30.10	68	66	65		"	Cir Cum Numb	0		
10	"		"	"	1		30.10	68	66	65		"	"	0		
11	"		"	"	1		30.09	69	67	65		ocf	"	0		
Noon.	"		"	"	1		30.08	70	67	65		ocm	"	0		

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	350	gallons.
Water received during the preceding 24 hours	1500	"
Water remaining on hand fit for use at Noon	2365	"
Coal consumed during the preceding 24 hours	tons	700 lbs.
Coal remaining on hand at Noon	122 "	1656 "

P. M.																
1	"		SxE	SxE	2		30.07	71	68	66		ocm	Cu Numb	0	"	
2	"		"	"	2		30.05	70	68	66		"	"	0	"	
3	"		"	"	2		30.04	70	68	66		"	"	0	"	
4	"		SSE	SSE	2		30.03	70	68	66		ocf	"	0	"	
5	"		"	"	2		30.02	70	68	66		"	"	0	"	
6	"		"	"	2		30.01	70	68	66		"	"	0	"	
7	"		"	"	2		30.04	70	68	66		"	"	0	"	
8	"		"	"	2		30.04	69	65	63		"	"	0	"	
9	"		"	"	2		30.06	69	65	63		ocm	Numb	0	"	
10	"		"	"	2		30.07	69	65	63		bcm	Cir Cum Numb	3	"	
11	"		"	"	3		30.07	69	65	63		"	"	3	"	
Mid.	"		"	"	3		30.07	69	65	63		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday December 18th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 A. M. Weather pleasant but damp, light breze from S.E. Barometer falling. Cirro-cumulus, cumulus and nimbus clouds. Aneroid barometer 29.98.

Wm Robyn, KR Saint

4 to 8 A.M. Cloudy. Foggy. Light breze from S.S.E. John A. Cobau, (OS 2cl) and Chas. Lloyd, (OS 2cl) returned on board having left a boat without permission and were placed in double irons for safe keeping. At 7.30 made signal 3350 and at 7.35 made signal 6143. Aneroid 30.02

Warrington Lee Kellogston KR Saint

8 A.M to Meridian. Overcast cloudy and foggy all the watch with sun breaking through at intervals. Light airs from S.S.E. Barometer steady Aneroid 30.00 at noon, At 9.10 made general signal (prep) 5455 and at 9.15 loosed sail, At 9.30 mustered at quarters (and exercised as per routine, Absent without leave Henry W. Caffrey. (PA.) Offered a reward of ten dollars for his apprehension and delivery on board. Entested for the cruise on board. William White as Ord. Sea. Edg Corpl. By order of Commanding Officer awarded the following punishments, viz. Wm Sullivan (OS) five days extra duty and John R. Cobau. (OS. 2cl.) ten days extra duty for making disturbance in boat, Wm Simpson (OS 2cl) five days extra duty for being noisy in boat Chas Lloyd, (OS 2c.) and John R. Cobau. (OS 2cl) two days double irons for leaving boat ashore without permission. At 11.50 made general signal 4826. Furled sails. Rec'd on board in Pay. Dept. 1500 galls. of fresh water for ship's use. H. W. Caffrey (PA) returned on board five hours overtime

W. D. Winn, Ensign,

Meridian to 4 P.M. Weather cloudy and hazy and for last hour of watch foggy. Light breze from S by E. Barometer falling. Clouds cumulus and nimbus. Hoisted in steam cutter for repairs to her boilers At 1.25 made signal No 2984.

Kard Robinson, KR Saint

4 to 8 P.M. Overcast cloudy and foggy. Light breze from S.S.E. Barometer rising slowly. Aneroid 30.00 at end of watch. At 4.45 mustered at quarters. At 6.40 made general signal 6140. Sent down top-gallant masts.

W. D. Winn. Ensign

8 P.M to Midnight - Weather pleasant. Light to gentle breze from S.S.E. Barometer steady. Aneroid barometer 30.00

Richard Robinson, KR Saint

Moon's mid Examined and found to be correct.
Dec 9° 22' 14" N.
Phase. Full moon.

W. W. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.03	68	66	64		bcm	cu nimb	3	8	
2	"		"	"	2		30.01	68	65	64		"	"	2	"	
3	"		"	"	2		29.98	67	65	64		ocm	"	0	"	
4	"		"	"	2		29.94	67	65	64		"	"	0	"	
5	"		"	"	2		30.03	68	65	64		"	"	0	"	
6	"		"	"	1		30.04	68	65	64		"	"	0	"	
7	"		"	"	1		30.06	68	66	64		bcm	"	1	"	
8	"		"	"	1		30.06	69	67	64		"	"	1	"	
9	"		"	"	1		30.09	69	67	64		bc	cir cum	3	"	
10	"		"	"	1		30.10	69	68	66		"	"	6	"	
11	"		"	"	1		30.08	71	69	66		"	"	6	"	
Noon.	"		"	"	1		30.10	72	70	67		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2015	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	122 "	1356	"

P. M.																
1	"		S.	S	1		30.07	71	69	66		oc	cir cum	0	"	
2	"		"	"	1		30.07	71	70	67		"	"	0	"	
3	"		SSE.	SSE	1		30.05	71	70	67		"	"	0	"	
4	"		"	"	1		30.04	71	70	67		"	"	0	"	
5	"		"	"	1		30.03	71	70	67		"	"	0	"	
6	"		"	"	1		30.03	70	69	66		bc	cir cum	1	"	
7	"		"	"	1		30.04	70	69	66		"	cir cum etc	1	"	
8	"		"	S x E	1		30.06	70	67	65		ocm	cu nimb	0	"	
9	"		"	SSE	2		30.06	70	67	65		"	"	0	"	
10	"		"	"	2		30.05	70	67	65		bcm	"	2	"	
11	"		"	"	2		30.04	69	67	64		"	"	6	"	
Mid.			"	"	2		30.03	69	66	64		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A H McCormick, U. S. Navy,

Tuesday, December 12th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and misty. Light airs from S.S.E. Barometer falling. Aneroid 30.60.

P. Rees Lieut

4 to 8 A.M. Overcast cloudy and misty. Light airs and breezes from S.S.E. Barometer rising. Aneroid 30.02 at end of watch. At 7.30 made general signal 3350: at 7.35 made general signal (Prep.) 6069. Sent up topgallant masts and crossed royal and topgallant yards. Received on board in Pay Dept. 101¼ lbs of fresh beef 101¼ lbs fresh vegetables and 81 loaves of bread

M. D. Dunn. Ensign

8 A.M to Meridian. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light breeze from S.S.E. At 9.30 went to general quarters Hoisted the boiler but of steam cutter for repairs. Aneroid barometer 30.00

Ford Robinson Lieut

Meridian to 4 P.M. Weather overcast and pleasant, Light airs from S.S.E. Barometer falling. Aneroid 29.96.

P. Rees Lieut

4 to 8 P.M. Weather pleasant. Barometer steady. Light breeze from S.S.E. Cirro-cumulus and stratus clouds. At 4.45 mustered crew at quarters At 5.40 made signal, Preparatory. No 6068. At 5.45 Preparatory No 3253. and at 5.50 made signal No 6068. Sent down topgallant and royal yards and bent light sails. An English steamer went to sea, Aneroid bar. 29.98.

Ford Robinson, Lieut

8 P.M to Midnight, Weather cloudy and pleasant, Barometer falling. Light breeze from S.S.E. Aneroid 30.00.

P. Rees, Lieut

Moon l. mid
Dec. 13° 30' 36" N
Phase Full moon,

Examined and found to be correct.

W. S. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. S E.	S. S. E	1		30.03	69	66	64		bc	Cu mind	2	b	
2	"		"	"	1		30.02	68	65	63		"	"	1	"	
3	"		"	"	1		30.01	68	65	63		"	"	1	"	
4	"		"	"	1		30.00	68	65	63		oc	"	0	"	
5	"		"	"	1		30.02	68	65	63		"	"	0	"	
6	"		S × E	S × E.	1		30.04	68	66	64		bc	Cir cum	8	"	
7	"		"	"	1		30.06	68	66	64		"	"	3	"	
8	"		"	"	1		30.08	68	66	64		"	"	2	"	
9	"		S S E.	S S E.	1		30.06	68	66	64		"	Cir cum Cumb	2	"	
10	"		"	"	1		30.06	68	66	64		"	"	2	"	
11	"		S	S.	1		30.06	68	66	64		"	"	2	"	
Noon.	"		"	"	1		30.06	70	68	65		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 450 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1565 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 125 " 1056 "

P. M.																
1	"		S	S.	1		30.04	70	68	65		bc	Cir cum	4	"	
2	"		"	"	1		30.03	71	68	65		"	"	6	"	
3	"		S S E	S. S. E.	1		30.01	71	68	65		"	"	6	"	
4	"		"	"	1		30.00	71	68	65		"	"	3	"	
5	"		"	"	1		30.00	69	67	65		"	Cir cum	4	"	
6	"		S E	S. E	1		30.00	69	66	64		"	"	5	"	
7	"		"	"	1		30.01	69	66	64		"	"	6	"	
8	"		"	"	1		30.02	69	66	64		"	Cir cum	7	"	
9	"		"	"	1		30.06	69	66	64		"	"	7	"	
10	"		"	"	1		30.06	69	66	64		"	"	7	"	
11	"		S. S E.	S. S. E	1		30.06	69	66	64		"	"	7	"	
Mid.	"		"	"	1		30.06	69	66	64		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, December 20th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast and cloudy. Light airs from S.S.E. Aneroid barometer at the close 29.97.

W.M. Smith
Master

4 to 8 A.M. Weather pleasant. Light breeze from S by E to S.S.E. Barometer rising. Clouds cirro-cumulus and nimbus. Received on board for crew 104 lbs. fresh beef, 104 lbs vegetables and 81 loaves of bread. At 7.30 made signal No. 3350. At 7.35 made signal, Preparatory. No 5462 and at 7.45 made signal No. 5462. Crossed topgallant and royal yards and loosed sail to a bowline. A Chilian steamer came into harbor. Aneroid barometer 30.00.

H.R. Smith
2d Lieut

8 A.M to Meridian. Weather cloudy and pleasant. Light airs from S.S.E. Barometer steady. Mustered at quarters at 9.30 and exercised 1st 3d and Navigator's divisions at small arms. 2d division at great guns. Powder and Engineers divisions at single sticks and marine guard at small arms. At 11.30 made signal No 4826. The Iroquois answered. At 11.35 furled sail. Aneroid at end of watch 29.98.

C. Rees
2d Lieut

Meridian to 4 PM. Weather overcast and pleasant. Light breeze from S.S.E. At 3.30 made general signal 2984 and at 3.35 general signal. Prep 4881. Aneroid 29.94.

W.M. Smith
Master

4 to 8 PM. Weather cloudy and pleasant. Light breeze from S.E. Barometer rising. Mustered at quarters at 4.45. At 5.45 made signal No 2254. Sent light sails. Aneroid 29.95.

C. Rees
2d Lieut

8 PM to Midnight. Pleasant weather, bright moonlight. Light breeze from S.E. Barometer steady. Aneroid barometer 29.96.

W.M. Smith
Master

Moon l. mid. Examined and found to be correct.
Dec 16° 5' 56" N.
Phase. Full moon.

W. H. Harper
2d Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.00	68	64	63		bc m	Cir Cum	5	S	
2	"		"	"	1		29.99	68	64	63		"	"	5	"	
3	"		"	"	2		29.98	67	64	63		oc m	Cir Cum 3 nimb	0	"	
4	"		SE	ESE.	2		29.97	66	64	63		"	"	0	"	
5	"		"	SExS.	2		29.98	66	64	62		"	Cum nimb	0	"	
6	"		"	"	2		30.00	66	64	62		oc f	nimb	0	"	
7	"		"	"	2		30.02	66	63	62		"	"	0	"	
8	"		SExE	"	1		30.04	66	63	62		"	"	0	"	
9	"		SExS.	"	1		30.05	67	66	64		"	"	0	"	
10	"		"	"	1		30.04	68	67	64		bc m	"	0	"	
11	"		SSE	SSE	1		30.03	68	66	64		"	"	0	"	
Noon.	"		"	"	1		30.02	69	66	65		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	450	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1115	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	122 "	756	"

P. M.																
1	"		S.S.E	S.S.E.	1		30.02	69	66	65		oc m	Nimb	0	"	
2	"		"	"	1		30.00	70	67	65		"	"	0	"	
3	"		"	"	1		29.98	70	67	65		"	"	0	"	
4	"		"	"	1		29.96	70	67	65		"	"	0	"	
5	"		"	"	2		29.96	68	65	64		oc fd	"	0	"	
6	"		"	"	2		29.95	68	65	63		"	"	0	"	
7	"		"	"	2		29.97	68	65	63		"	"	0	"	
8	"		"	"	2		29.99	68	65	63		"	"	0	"	
9	"		SE.	SE	2		30.00	68	66	64		oc m	"	0	"	
10	"		"	S.S.E.	2		30.00	67	65	64		"	"	0	"	
11	"		"	"	2		29.98	67	65	64		"	"	0	"	
Mid.	"		"	"	2		29.98	67	65	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, December 21st, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Misty. Light airs from S.S.E. Aneroid 29.94.
Wainwright-Kellogg Lieut

4 to 8 A.M. Weather overcast and wet with thick fog. Gentle breeze from S. and E., Barometer rising. Aneroid at end of watch 29.96.
Lieut

8 A.M. to Meridian. Overcast cloudy and misty foggy first hour. At 9.00 half masted colors during the funeral ceremonies held for one of the crew of the "Swiftsure" and hoisted them again at 9.35. Went to quarters at 9.30 and inspected crew. Exercised 1st, 2d, 3d and Navy divisions at pistol drill. Aneroid barometer at the close 29.97.
Master

Meridian to 4 P.M. Cloudy. Misty. Light breeze from S.S.E. At 3.30 furled hammocks. Aneroid 29.98.
Wainwright-Kellogg Lieut

4 to 8 P.M. Cloudy. Misty and damp. Light airs from S.S.E. Went to quarters at 4.45 Aneroid barometer 29.98.
Master

8 P.M. to Midnight. Cloudy. Misty. Light airs from S.S.E. Aneroid 29.98.
Wainwright-Kellogg Lieut

Moon's mid dec 19° 12' 28" N.
Phase Full moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E	S.E	1		30.00	68	65	63		ocm	pcmb	0	S	
2	"		"	"	1		30.00	68	65	63		"	"	0	"	
3	"		"	"	1		29.98	68	65	63		"	"	0	"	
4	"		E S E.	"	1		29.96	68	65	63		"	"	0	"	
5	"		S E	"	1		29.95	67	65	63		ocmd	"	0	"	
6	"		"	"	1		29.99	67	65	63		"	"	0	"	
7	"		S S E	S S E	1		30.00	66	65	63		ocm	"	0	"	
8	"		S.	S.	1		30.00	66	65	63		"	"	0	"	
9	"		"	Calm	0		30.02	66	65	63		"	"	0	"	
10	"		S W	S W.	0-1		30.02	67	66	64		bcm	cumb	11	"	
11	"		"	Calm	0		30.02	68	67	65		"	cicustr	5	"	
Noon.	"		"	S W	01		30.02	69	68	66		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 765 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 122 " 456 "

P. M.																
1	"		S	S.	1		30.01	70	69	66		bcm	Cir cumu Strtr	11	"	
2	"		"	"	1		30.00	71	68	65		"	"	3	"	
3	"		"	"	1		30.00	71	68	65		ocm	cumulo	0	"	
4	"		"	"	1		29.99	71	68	65		oc	"	0	"	
5	"		"	"	1		29.99	71	68	65		"	"	0	"	
6	"		S S E	S S E	1		29.98	70	68	65		"	"	0	"	
7	"		"	"	1		30.00	70	68	65		bcm	"	1	"	
8	"		"	"	1		30.00	70	68	65		"	"	2	"	
9	"		"	"	1		30.02	70	66	64		ocm	"	0	"	
10	"		"	"	1		30.04	70	66	64		"	"	0	"	
11	"		"	"	1		30.04	69	66	64		"	"	0	"	
Mid.	"		"	"	1		30.04	69	66	64		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday December 22d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy with heavy mist approaching a drizzling rain last hour. Light airs from S.E. Barometer falling. Aneroid 29.92 at end of watch.

J. O. Dunn. Ensign

4 to 8 A.M. Overcast cloudy and misty with drizzling rain greater part of watch. Light breeze from S.E. hauling to S.S.E. At 7.30 made signal general 3380. Aneroid barometer 29.95.

W. W. Smith Master

8 A.M. to Meridian. Cloudy. Misty clearing occasionally; at end of watch warm and clear. Light variable airs. At 9.35 went to fire quarters. Secured at 9.35. At 9.35 made signal 5455. At 9.40 loosed sail. At 9.40 "Iroquois" made signal 4404. Ans. 904. Received an official visit from Commanding Officer of H.B.M.S. "Mutine". Mich. A. Cox. (O.S.) was given three days solitary confinement on bread and water for talking back to Captain of Afterguard. Aneroid 29.96.

Wainwright Kellogg
WK Lieut

Meridian to 4 P.M. Weather cloudy and misty. Overcast last part, light airs from South. Barometer falling slowly. Aneroid 29.92 at end of watch. At 1.30 made General signal 3918 and at 1.45 made general signal 4826. Hauled sail.

J. O. Dunn. Ensign

4 to 8 P.M. Foggy. Light airs from S.S.E. At 4.45 mustered at quarters. Aneroid 29.98.

Wainwright Kellogg
WK Lieut

8 P.M. to Midnight. Weather overcast cloudy and misty. Light airs from S.S.E. Barometer steady. Aneroid 29.96 at Midnight

J. O. Dunn. Ensign

Moon's mid Dec 20° 22' 27" N
Phase. Full moon.

Examined and found to be correct.

W. H. Parker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.02	68	67	65		ocm	nimb	0	S	
2	"		"	SE	1		30.01	68	67	65		"	"	0	"	
3	"		ESE	Calm	0		30.00	68	67	65		ocfd	"	0	"	
4	"		SE	"	0		29.99	68	67	65		"	"	0	"	
5	"		ESE	"	0		29.98	68	67	65		"	"	0	"	
6	"		"	"	0		29.98	68	67	65		"	"	0	"	
7	"		ENE	"	0		30.02	68	67	65		"	"	0	"	
8	"		SSE	SSE	1		30.05	68	67	65		bcm	Cir cum nimb	4	"	
9	"		"	"	1		30.09	69	68	65		"	"	5	"	
10	"		"	"	1		30.10	70	69	66		bc	Circum	8	"	
11	"		"	"	1		30.08	70	69	66		"	"	6	"	
Noon.	"		S	"	1		30.06	71	71	66		"	"	8	"	

Distance run by Log since preceding Noon ... knots ... fathoms.

Latitude by D. R. at Noon ... ° ... ' ... "

Longitude by D. R. at Noon ... ° ... ' ... "

Latitude by Observations at Noon ⊙ ... ° ... ' ... "

Longitude by Chronometer from Forenoon Observations ⊙ ... ° ... ' ... "

Current during the time ... knots ... fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ... ° ... ' ... "

Variation of the Compass by Azimuth ⊙ observed at ... ° ... ' ... "

Water expended during the preceding 24 hours 365 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 400 "

Coal consumed during the preceding 24 hours tons 600 lbs.

Coal remaining on hand at Noon 121 " 2096 "

P. M.																
1	"		S.	S.	1		30.06	70	70	66		bc	Cir cum Nimb	5	"	
2	"		"	"	1		30.06	70	70	66		"	"	5	"	
3	"		"	"	1		30.06	70	70	66		"	"	5	"	
4	"		"	"	2		30.05	69	69	65		"	"	6	"	
5	"		S×E.	S×E.	3		30.02	70	67	65		"	"	3	"	
6	"		"	"	3		30.02	69	67	65		"	"	2	"	
7	"		"	"	3		30.04	69	67	65		ocm	Cum Nimb	0	"	
8	"		SSE	SSE	3		30.03	69	66	64		"	"	0	"	
9	"		"	"	3		30.00	68	65	63		"	"	0	"	
10	"		"	"	3		30.01	68	65	63		"	"	0	"	
11	"		"	"	3		30.00	68	65	63		"	"	0	"	
Mid.	"		"	"	3		29.98	67	64	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ... ° ... ' ... "

Longitude by Chronometer from Observations * ... ° ... ' ... "

Variation of the Compass by Amplitude observed at sunset ... ° ... ' ... "

Variation of the Compass by at ... ° ... ' ... "

under the command of Commander A. H. McCormick, U. S. Navy;

Saturday, December 23d, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather hazy and foggy. Drizzling rain in latter part of watch. Barometer falling. Nimbus clouds. Calm latter part of watch. Light airs from S.E. to S.S.E. first part. Aneroid barometer 29.92.

Harold Robertson, Lieut.

4 to 8 A.M. Foggy. Clearing at 7.30. Light variable airs. Mail steamer arrived from Panama. Aneroid 30.02.

Wainwright Kellogg Cox, Lieut.

8 A.M. to Meridian. Generally cloudy but pleasant. Light airs from S.S.E. Barometer fluctuating. Aneroid 29.98 at noon. At 8.55 made general signal 2372. At 9.30 inspected crew at quarters. Absent without leave W. J. Bennett. (Pay. Yeo.) Offered a reward of ten dollars for his apprehension and delivery on board. Enlisted for the cruise as Boatswain's Mate Hans Hasperson. By order of Commanding Officer awarded the following punishments, viz: Geo. H. Jordan (Ord.) one days extra duty for delivering false message. Julius Hartman (O.S.) two days extra duty for slow marketing boat. Wm. Simpson (O.S.) ten days extra duty for disobedience of orders. At 11 A.M. U.S.S. "Mustang" left the harbor.

H. O. Dunn, Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from S. Cirro-cumulus and stratus clouds. Aneroid barometer 29.92. An English Steamer (P.S.N.Co.) came into the harbor.

Harold Robertson, Lieut.

4 to 8 P.M. Cloudy first part, overcast and misty last part of watch. Gentle breeze from S by E and S.S.E. Barometer unsteady. Aneroid 29.96 at end of watch. At 4.45 mustered at quarters.

H. O. Dunn, Ensign.

8 P.M. to Midnight. Weather pleasant. Gentle breeze from S.S.E. Barometer steady. Cumulus and nimbus clouds. Aneroid barometer 29.93.

Harold Robertson, Lieut.

Moon's mid Dec 26° 9' 02" N
Phase Full moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E	S.E.	1		29.97	67	64	63		ocm	nimb	0	8	
2	"		"	"	1		29.96	67	64	63		"	"	0	"	
3	"		"	"	1		29.96	67	64	63		ocmd	"	0	"	
4	"		"	"	1		29.96	67	64	63		"	"	0	"	
5	"		"	"	1		29.98	67	64	63		ocm	"	0	"	
6	"		"	Calm	0		30.00	68	64	63		"	"	0	"	
7	"		E.S.E.	E.S.E	1		30.04	68	64	63		"	"	0	"	
8	"		"	"	1		30.04	68	64	63		bcm	"	1	"	
9	"		S.S.E	S.S.E	1		30.03	68	64	64		"	"	1	"	
10	"		"	"	1		30.00	69	66	64		bc	Cicum	4	"	
11	"		"	"	1		30.02	69	66	64		"	"	4	"	
Noon.	"		S.	S	1		30.00	69	69	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	315	gallons.	
Water distilled during the preceding 24 hours	100	"	
Water remaining on hand fit for use at Noon	185	"	
Coal consumed during the preceding 24 hours	tons 2100	lbs.	
Coal remaining on hand at Noon	120 "	2236 "	

P. M.																
1	"		S.S.W	S	1		30.03	70	70	66		bc	Cicum	8	"	
2	"		S.	"	1		30.02	71	71	66		"	"	8	"	
3	"		S.S.E	"	1		30.00	70	69	66		"	"	6	"	
4	"		"	S.S.E	1		29.99	70	68	65		"	"	5	"	
5	"		"	"	1		29.99	70	68	66		oc	Cum Str	0	"	
6	"		"	"	1		29.99	70	68	65		"	"	0	"	
7	"		"	"	1		29.99	69	67	65		"	Cum nimb	0	"	
8	"		"	"	1		30.00	69	67	65		"	"	0	"	
9	"		"	"	1		30.02	69	67	65		ocm	"	0	"	
10	"		"	"	1		30.02	69	67	65		"	"	0	"	
11	"		"	"	1		30.02	67	65	63		"	"	0	"	
Mid.	"		"	"	1		30.02	67	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Sunday December 24th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Weather overcast foggy and wet Light airs from S E. Barometer steady. Aneroid 29.91

P. Potts Asst

4 to 8 A M. Overcast cloudy and misty. Light airs from S E and E S E and calms. Barometer rising. Aneroid 29.98. At 7.30 made general signal 3350. Received on board in Pay. Dept. 1014 lbs of beef 100 lbs of vegetables and 83 loaves of bread.

R. O. Sumner Ensign

8 A M to Meridian. Weather clear and pleasant, light breeze from S S E to S. Barometer steady. Cirro cumulus and nimbus clouds. At 9.30 the Captain inspected the ship and crew at quarters. Aneroid barometer 29.96. At 9.25 started fires under two forward port boilers and began distilling at 11.

Hal W. Perry, Asst

Meridian to 4 P M. Weather clear and pleasant. Light airs from S. S. E. Barometer falling. Aneroid at aneroid at end of watch 29.93. Distilling.

P. Potts Asst

4 to 8 P M. Weather pleasant. Light breeze from S S E. Barometer steady. Aneroid barometer 29.90

Hal W. Perry Asst

8 P M to Midnight. Overcast and misty. Light airs from S S E. Barometer steady. Aneroid at end of watch 29.86. Distilling

P. Potts Asst

Moon's mid Examined and found to be correct.
Dec 19° 10' 04" N.
Phase. Full moon

W. H. Rogers
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.98	67	66	64		oc m	Cumulus	0	S.	
2	"		E	E	1		29.98	66	66	64		"	"	0	"	
3	"		SSE	SSE	1		29.98	66	66	64		"	"	0	"	
4	"		SSW.	SSW.	1		29.98	66	66	64		"	"	0	"	
5	"		SE	SE	1		30.00	66	66	64		bo	Cirrus Cumulus	4	"	
6	"		"	"	1		30.02	66	66	64		"	"	5	"	
7	"		"	"	1		30.01	67	68	65		"	Cirrus Cirro Cumulus	7	"	
8	"		"	"	1		30.06	67	69	65		"	"	7	"	
9	"		SE by E.	SE by E	1		30.06	68	71	66		"	"	7	"	
10	"		"	"	1		30.06	70	71	66		"	"	6	"	
11	"		"	"	1		30.06	71	71	66		"	"	6	"	
Noon.	"		SSE	SSE	1		30.06	71	71	66		"	"	6	"	

P. M.																
1	"		S by W.	S by W.	1		30.02	71	71	66		bc	Cirrus Cumulus	6	"	
2	"		"	"	1		30.02	71	71	66		"	"	6	"	
3	"		"	"	1		30.02	71	71	66		"	"	6	"	
4	"		"	"	1		30.02	71	71	66		"	"	6	"	
5	"		S	S	1		30.00	72	68	64		"	"	8	"	
6	"		SSE	SSE	1		30.00	71	67	64		"	"	8	"	
7	"		"	"	1		30.01	70	67	64		"	"	8	"	
8	"		"	"	1		30.00	70	67	64		"	"	8	"	
9	"		"	"	1		30.01	69	66	64		"	Cirrus Cumulus	5	"	
10	"		"	"	1		30.03	69	66	64		"	"	8	"	
11	"		"	"	1		30.04	69	66	64		"	"	8	"	
Mid.	"		"	"	1		30.05	69	65	64		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 315 gallons.

Water distilled during the preceding 24 hours — 3030 "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — 2 tons 320 lbs.

Coal remaining on hand at Noon — 118 " 1916 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Monday, December 25th, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S^e and E^e, Aneroid barometer 29.93.

W.W. Smith Master

4 to 8 A.M. Weather clear and pleasant. Light breeze from S.S.W. to S.E. Barometer rising. Clouds cirro-cumulus, stratus and nimbus. Hauled fires lowered smokestacks and stopped distilling. Aneroid barometer 29.96. At 7.30 made telegraphic signal No^s 4844 and 2466 to which "Iroquois" answered Telegraphic No^s 8131. 9409.

Hart White USN Sent

8 A.M. to Meridian. Clear and warm. Light airs from S^e and E^e Barometer steady. Mustered at quarters at 9.30. By order of Commanding Officer released Mich^l Cox. OS2 CL) from confinement. All drills and work suspended and the crew encouraged to enjoy Christmas. Aneroid 29.98.

Sent

Meridian to 4 P.M. Clear and pleasant. Light breeze from S by W. Aneroid barometer at the close 29.98.

W.W. Smith Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid at end of watch 29.98.

Sent

8 P.M. to Midnight. Pleasant weather. Bright moonlight. Light airs from S.S.E. Aneroid barometer 30.00.

Sent

W.W. Smith Master

Moon's mid Examined and found to be correct.
Dec 16° 52' 30" N.
Phase. Last quarter

W. H. Reuter
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.03	67	65	64		bc	Cumulus	1	S.	
2	"		"	"	1		30.02	67	65	64		"	"	1	"	
3	"		"	"	1		30.01	67	65	64		oc	"	0	"	
4	"		"	"	1		30.00	67	65	64		"	"	0	"	
5	"		SE	SE	1		30.02	67	66	64		"	"	0	"	
6	"		SSE.	SSE.	1		30.02	67	66	64		"	"	0	"	
7	"		"	SE.	1		30.05	67	65	63		"	"	0	"	
8	"		"	"	1		30.08	67	65	63		"	"	0	"	
9	"		"	Calm	0		30.08	68	66	64		"	"	0	"	
10	"		S.	"	0		30.08	68	66	64		bc	Circus	2	"	
11	"		"	S.	0-1		30.09	69	67	65		"	"	3	"	
Noon.	"		"	"	0-1		30.09	69	67	65		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2550 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 118 " 1616 "

P. M.																
1	"		S	S.	2		30.08	70	68	65		bc	Circus	11	"	
2	"		"	"	2		30.06	70	68	65		"	"	11	"	
3	"		"	"	1		30.04	70	68	65		"	Circus	11	"	
4	"		"	"	1		30.02	70	68	65		"	"	11	"	
5	"		SSE.	SSE	1		30.03	71	67	64		"	"	5	"	
6	"		"	"	1		30.04	70	67	64		"	"	5	"	
7	"		"	"	1		30.04	70	66	64		"	"	5	"	
8	"		"	"	1		30.04	70	66	64		"	"	5	"	
9	"		"	"	2		30.06	69	66	64		"	"	3	"	
10	"		"	SE & S.	2		30.08	69	67	64		"	"	1	"	
11	"		"	"	3		30.08	69	66	64		"	"	3	"	
Mid.	"		"	SSE	2		30.06	68	66	64		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday, December 26, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Sightairs from S.S.E. Obscured moonlight. Aneroid 29.96.

Wainwright-Kellogg 1st Lieut

4 to 8 A.M. Weather overcast and pleasant. Light airs from S.E. and E. Barometer rising. Received on board for ships use Fresh beef 104 lbs. vegetables 100 lbs. bread 82 loaves. At 7.30 made signal 3350. Aneroid at end of watch 30.01. A reward of Ten Dollars was paid to police authorities for the delivery on board of Wm J. Bennett. (Pay Yeo.)

Cox 1st Lieut

8 A.M. to Meridian. Pleasant weather. Calm first part, light airs from S. latter part. Went to quarters at 9.30 and inspected the crew. Exercised 1st and 3d Divisions with single sticks. 2d division and Marine guard at small arms. By order of Commanding Officer placed Thos. Fitzpatrick 1 P.M. in double irons for safe keeping. Hoisted in steam cutter and got her boiler on deck for repairs. At 10 made signal ab (prep) 5455 and at 10 1/2 loosed sail to dry. Aneroid barometer 30.02.

W. W. Wainwright Master

Meridian to 4 P.M. Weather warm and hazy with light breeze from the S. At 3.25 made signal 4826 and furled sail Squared yards. Aneroid 29.96.

Wainwright-Kellogg

COX 1st Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S.S.E. Barometer falling. Went to quarters at 4.45 and mustered the crew. Released Thos. Fitzpatrick. (P.M.) from confinement. Received on board for Dept. of Steam Engineering one dozen bath bricks and one barrel of charcoal. At 6 made signal 2985. Got up clothes lines. Aneroid barometer 29.99.

W. W. Wainwright

Master

8 P.M. to Midnight. Cloudy. Pleasant. Light to moderate breeze from S.S.E. Obscured moonlight. Aneroid 30.00.

Wainwright-Kellogg COX 1st Lieut

Moon 1 mid Examined and found to be correct.
Dec 13° 51' 48" N
Phase, last quarter

W. S. Parker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.02	68	66	64		bc	Cumulus	1	S	
2	"		"	"	1		30.00	67	66	64		ocu	"	0	"	
3	"		"	"	1		30.00	67	66	64		"	"	0	"	
4	"		"	"	1		30.00	67	66	64		"	"	0	"	
5	"		S"SW.	S"SW.	1		30.00	67	66	64		"	"	0	"	
6	"		SW.	SW.	1		30.02	67	66	64		"	"	0	"	
7	"		WNW.	NW	1		30.04	67	66	64		"	"	0	"	
8	"		NNW.	Calm	0		30.04	67	66	63		"	"	0	"	
9	"		W.	"	0		30.04	67	66	63		bcu	"	2	"	
10	"		NNW.	NNW	1		30.04	69	68	65		bc	Cirrus	5	"	
11	"		W.	W.	1		30.04	70	68	65		"	"	8	"	
Noon.	"		"	"	1		30.02	70	69	65		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 350 gallons.
Water — during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 2200 "
Coal consumed during the preceding 24 hours — tons 300 lbs.
Coal remaining on hand at Noon — 118 " 1316 "

P. M.																
1	"		SSW.	SSW.	1		30.01	71	69	65		bc	Cirrus	3	"	
2	"		"	"	1		30.00	72	69	65		"	"	8	"	
3	"		"	"	1		30.00	72	69	65		"	"	8	"	
4	"		SSE	SSE	2		29.98	72	69	65		bcz	"	3	"	
5	"		"	"	2		29.98	72	68	65		bc	"	11	"	
6	"		"	"	1		29.98	72	68	65		"	"	11	"	
7	"		"	"	1		29.98	71	66	64		"	Cumulo Cirrus	11	"	
8	"		"	"	1		29.98	71	66	64		"	"	11	"	
9	"		"	"	1		29.99	70	66	64		"	"	5	"	
10	"		"	"	1		29.99	70	66	64		"	"	11	"	
11	"		"	"	1		29.99	68	66	64		"	"	2	"	
Mid.	"		"	"	1		29.99	68	66	64		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday December 27th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty weather. Light airs from S.S.E. Barometer steady. Aneroid 29.94. Moonlight at intervals.

H.O. Dunn. Ensign.

4 to 8 A.M. Overcast cloudy and misty. Calms and very light variable airs. At 7.30 made signal, General 3350 and at 7.35 signal 5455. At 7.40 loosed sail. Received on board in Pay Dept for use of crew 104 lbs of fresh beef, 100 lbs of vegetables and 82 loaves of bread. Aneroid barometer at the close 29.98.

W. Mann Master

8 A.M to Meridian. Cloudy first hour clear and warm remainder of watch. Light variable airs and calms. At 9.30 mustered at quarters. Exercised 1st and Navigators divisions at sub-call arms. 2d at great guns. 3d at single sticks. At 10.20 "Iroquois" made signal 4561. Aneroid 29.94 At 11.20 made signal 4826 and furled sail. Aneroid 29.96

W. Winslow Kellogg Jr. Asst Surgeon

Meridian to 4 P.M. Generally clear and pleasant. Light haze last hour. Light airs and breezes from S. & W. and S.S.E. Barometer falling slowly. Aneroid 29.96. At 3.50 made general signal 2984.

H.O. Dunn Ensign

4 to 8 P.M. Clear and pleasant. Light breeze from S.S.E. At 4.45 mustered at quarters. H.B.M.S. "Sapsho" came in and anchored. Sent an officer to board her. Shipped Michael Casey as landsman for the cruise. Aneroid 29.92

W. Winslow Kellogg Jr. Asst Surgeon

8 P.M to Midnight. Cloudy but pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.92. Moon rose at 9.15

H.O. Dunn. Ensign.

Moon's mid Dec 18° 17' 22" N
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" ; 3d Rate, 6 Guns,
Callao Bay Peru,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S x E	S x E	1		29.97	67	65	63		bcz	Circum	6	Ø	
2	"		"	"	1		29.95	67	66	64		"	"	3	"	
3	"		"	"	1		29.94	67	66	64		"	"	4	"	
4	"		"	"	1		29.94	67	66	64		"	"	4	"	
5	"		"	"	1		29.95	66	65	63		ocm	Nimb	0	"	
6	"		N W.	Calm	0		29.97	66	65	63		"	"	0	"	
7	"		"	"	0		30.00	66	65	63		bc	Cumulus	2	"	
8	"		"	"	0		30.00	66	65	63		oc	"	0	"	
9	"		N N W.	N W.	0-1		30.00	67	64	62		bc	Circum	2	"	
10	"		N W.	"	1		30.00	67	65	62		"	"	4	"	
11	"		W N W.	W N W.	1		30.00	67	66	63		"	"	8	"	
Noon.	"		N N W	N N W	1		30.00	69	68	64		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1850 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 118 " 1016 "

P. M.																
1	"		N N W	N N W	1		30.00	69	68	64		bo	Cirrus	8	"	
2	"		"	"	1		30.00	69	68	64		"	"	8	"	
3	"		"	"	1		29.98	69	68	64		"	"	8	"	
4	"		"	"	1		29.98	69	68	64		"	"	8	"	
5	"		S x W	S x W	1		29.96	70	69	65		"	"	8	"	
6	"		"	"	1		29.95	70	69	65		"	"	7	"	
7	"		S S E	S S E	1		29.94	70	68	64		"	Cirrus Cumulus	7	"	
8	"		E	Calm	0		29.96	70	67	64		"	"	8	"	
9	"		"	E	1		30.00	68	67	64		"	"	8	"	
10	"		E N E	E N E	1		30.02	67	67	64		"	"	8	"	
11	"		"	S E	1		30.00	67	67	64		"	"	6	"	
Mid.	"		"	E S E	1		30.00	66	66	63		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday December 28th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Weather clear and pleasant. Light breeze from S by E. Barometer falling. Cirro-cumulus clouds. Aneroid barometer 29.89.

Harl Roberts, R Lieut

4 to 8 A M. Cloudy. Pleasant. Light variable airs and calms, Aneroid 29.94.

Wainwright-Keeney
Harl Roberts, R Lieut

8 A M to Meridian. Cloudy first part, clear and warm latter part of watch. Light airs from N N W to N N W. Barometer steady. Aneroid 29.94 At 9.30 mustered and inspected at quarters Absent without leave, Benjamin Campbell (P M.) At 9.38 made general signal (prep) 4390. At 9.45 exercised at sail drill making general signals 5541. 5521. 2826. 5422. 6068. Made sail to royals. Shortened sail and furled, sent down royal and topgallant yards and unbent light sail. At 10.15 made telegraphic signal 8248. At 11.15 the Commanding Officer of H M S "Sappho" paid an official visit on board. Released from confinement Chas. Lloyd (O 28) and John A. Coban. (O 26)

H. O. Dunn, Ensign

Meridian to 4 P M. Weather clear and pleasant, light breeze from N N W. Barometer falling. Cirro-cumulus clouds. An English mail steamer left the harbor for the north. Aneroid barometer 29.90.

Harl Roberts, R Lieut

4 to 8 P M. Clear pleasant weather. Light airs from S by W and S S E. Calm last hour. Barometer fluctuating slightly Aneroid 29.94. At 4.45 mustered at quarters.

H. O. Dunn. Ensign

8 P M to Midnight. Clear and pleasant. Light breeze from E. N E to S E. Barometer steady. Cirro-cumulus and stratus clouds Aneroid barometer 29.96.

Harl Roberts, Lieut

Moon 1 mid
Dec 6° 21' 23" N
Phase, Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE	ENE	1		29.99	66	66	64		bc	Cir Cumb Cumb	6	8	
2	"		"	"	1		29.97	66	66	64		bcf	"	8	"	
3	"		"	"	1		29.97	66	66	64		"	"	6	"	
4	"		"	"	1		29.97	66	66	64		"	"	6	"	
5	"		"	"	1		29.98	66	66	64		"	"	3	"	
6	"		NNE	Calm	0		30.00	65	67	65		bc	"	3	"	
7	"		"	"	0		30.02	65	67	65		"	"	11	"	
8	"		"	ENE.	1		30.04	66	66	64		"	"	2	"	
9	"		ENE	SSE	1		30.04	66	66	64		"	"	1	"	
10	"		"	"	1		30.04	67	66	64		"	"	2	"	
11	"		SSE.	S	1		30.02	67	66	64		"	Cir Cumb Cumb Clr	11	"	
Noon.	"		"	"	1		30.02	67	66	64		"	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours.	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1500	"	
Coal consumed during the preceding 24 hours	tons	600	lbs.
Coal remaining on hand at Noon	118 "	876	"

P. M.																
1	"		SSE	SSE	1		30.00	69	67	63		bc	Cir Cumb Clr	5	"	
2	"		SSW.	SSW	1		30.00	69	67	64		"	"	3	"	
3	"		S	SSE	1		30.00	70	67	64		"	"	3	"	
4	"		SSE	SSW.	1		30.00	69	66	63		"	"	3	"	
5	"		"	"	1		29.98	70	66	63		"	"	3	"	
6	"		"	"	1		29.98	68	66	63		"	"	3	"	
7	"		"	"	1		29.98	68	66	63		"	"	3	"	
8	"		"	"	1		29.98	68	66	63		"	"	4	"	
9	"		"	SSE	1		30.00	68	66	64		"	Cir Cumb	8	"	
10	"		"	"	1		30.02	68	66	64		"	"	8	"	
11	"		"	"	0-1		30.02	68	66	64		"	"	4	"	
Mid.	"		"	"	0-1		30.02	68	66	64		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, 29 December, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Sightairs from N. and E., Barometer steady. Aneroid 29.92

4 to 8 A.M. Cloudy but pleasant, Calm and light airs from N.N.E. Barometer rising. Aneroid 29.98. At 7.30 made general signal 3350. Lieut

8 A.M. to Meridian. Weather clear and pleasant, Barometer steady Light breeze from S. to S.S.E. Clouds cirro-cumulus and stratus and nimbus At 9.30 inspected and mustered crew at quarters. At 9.45 exercised torpedoes, exploding two 18lb torpedoes. Geo. H. Jones (OS2d) is given 3 days extra duty for disobedience of orders. J. R. Cobau (OS2d) is given 3 days extra duty for slow in manning boat and Louis J. Schuman (CA) is given 5 days solitary confinement on bread and water for insolence to superior officers, all by order of Commanding Officer. An English steamer came into the harbor. Expended in Ordnance Department 4 lbs of powder and 2 igniters. Aneroid barometer 29.94. Lieut

Meridian to 4 P.M. Weather overcast and cool. Light breeze from S.S.W. and S.S.E. Boarded American barque "Elmira Robinson" Aneroid 29.92. At 3.30 made signal 2984. Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus and stratus clouds, Light breeze from S.S.W. A German steamer went to sea dipping her colors as she passed us. which compliment we returned. Aneroid barometer 29.94. Lieut

8 P.M. to Midnight. Weather clear and pleasant, Sightairs from S.S.E. Barometer steady. Aneroid 29.94. Lieut

Moon's mid Examined and found to be correct.
Dec. 2° 14' 28" N.
Phase. Last quarter.

W. H. Parker
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.00	68	66	63		bc	Cir cumstr	3	S.	
2	"		"	"	1		29.96	68	66	63		"	"	2	"	
3	"		"	SSW.	1		29.96	68	66	63		oc	Cir cumst mins	0	"	
4	"		SE.	SSE.	1		29.95	67	66	64		"	"	0	"	
5	"		ESE.	Calm	0		29.98	67	66	63		bcm	"	1	"	
6	"		"	"	0		29.98	67	66	63		"	"	1	"	
7	"		ENE.	"	0		30.00	67	66	63		"	"	1	"	
8	"		"	"	0		30.02	67	66	63		"	"	1	"	
9	"		"	"	0		30.02	68	66	64		bcz	Cir cum	3	"	
10	"		"	SSE	1		30.02	68	66	64		"	"	4	"	
11	"		SSE	"	1		30.02	70	67	65		"	"	6	"	
Noon.	"		"	"	1		30.02	70	67	65		"	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	1100		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1100		"
Coal consumed during the preceding 24 hours	tons	500	lbs.
Coal remaining on hand at Noon	118 "	16	"

P. M.														
1	"		SSE	SSE	1		30.02	70	68	65	bc	Cir cum Strato	2	"
2	"		S	S.	1		30.02	71	68	65	"	"	2	"
3	"		"	"	1		30.01	71	68	65	"	"	1	"
4	"		"	"	1		30.00	70	68	64	bcd	"	1	"
5	"		SSE	SSE	1		30.02	70	67	64	"	"	1	"
6	"		"	"	1		30.01	70	67	64	"	"	1	"
7	"		"	"	1		30.02	70	67	64	ocd	"	0	"
8	"		"	"	1		30.02	70	67	64	"	"	0	"
9	"		SE×S	SE×S.	1		30.04	70	66	64	bcm	"	1	"
10	"		"	"	1		30.04	70	66	64	"	Cir cum	3	"
11	"		"	"	1		30.02	70	66	64	bc	"	7	"
Mid.	"		"	"	1		30.01	70	67	65	"	"	5	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday December 30th, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool, overcast latter part. Light airs varying from S.S.E. to S.S.W. Aneroid barometer 29.90.
W. W. Smith Master

4 to 8 A.M. Weather hazy. Calm. Barometer rising. Cumulus and nimbus clouds. A steamer came in from the N.E. and two from the S.E. Boarded the one from the N.E. and got mail for the squadron. Received on board 104 lbs of fresh beef, 100 lbs of vegetables and 84 lbs of bread. At 6.30 made signal No 2372. and at 7.30. 3350. Aneroid barometer 29.97.
Wm. Hahn Smith

8 A.M to Meridian Weather hazy and pleasant, Light airs from S.S.E. and calms. Barometer steady. Mustered at quarters at 9.30. Aneroid at end of watch 29.97. Made signal 6 4 4 at 9.10. At 9.15 crossed topgallant yards. Enlisted for cruise as Landsman Edward Gallagher.
C. R. Smith

Meridian to 4 P.M. Pleasant weather greater part of watch. Light drizzling rain last hour. Light airs from S to S.S.E. Aneroid bar. 29.98.
W. W. Smith Master

4 to 8 P.M. Weather cloudy with light drizzling rain latter part of watch. Barometer steady. Aneroid at end of watch 29.96.
C. R. Smith

8 P.M to Midnight Cloudy and misty, clearing latter part. Light breeze from S.E by S. Moon rose at 10.05. Aneroid barometer 29.96.
W. W. Smith Master

Moon's mind Dec 1° 52' 03" N.
Phase. Last quarter

Examined and found to be correct.

W. S. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES "Steamer Essex." , 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E	S E	1		30.00	67	65	63		bcd	Cirrus	3	S	
2	"		"	"	1		29.98	67	65	63		"	"	3	"	
3	"		"	"	0-1		29.97	67	65	63		"	"	3	"	
4	"		"	"	0-1		29.97	67	68	63		"	"	5	"	
5	"		E N E	E N E	1		29.97	67	65	63		bcm	"	6	"	
6	"		N N E	N N E	1		30.02	65	63	62		"	"	8	"	
7	"		N N W	N N W	1		30.03	66	63	62		"	"	6	"	
8	"		W N W.	W. N W.	1		30.03	66	63	62		"	"	6	"	
9	"		"	"	1		30.03	67	68	63		"	"	6	"	
10	"		N x W.	N x W.	1		30.04	67	65	63		"	"	6	"	
11	"		N	N	1		30.04	68	65	63		"	"	8	"	
Noon.	"		"	"	1		30.04	68	65	63		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	360	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	750	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	117 " 1956	"	

P. M.																
1	"		S x W.	S x W	1		30.02	68	68	66		bc	Cirrocumo	8	"	
2	"		"	"	1		30.01	70	69	66		"	"	8	"	
3	"		S S E	S S E	1		30.00	70	70	66		"	"	7	"	
4	"		"	"	1		30.00	70	70	66		"	"	6	"	
5	"		"	"	1		30.00	70	69	66		"	"	4	"	
6	"		"	"	1		30.00	70	68	65		"	"	4	"	
7	"		"	"	1		30.01	70	68	65		bcn	St Nimb	3	"	
8	"		"	"	1		30.00	70	68	65		bc	Cu. nimb	2	"	
9	"		"	"	1		30.01	70	68	65		"	"	2	"	
10	"		"	"	1		30.03	69	68	65		"	"	2	"	
11	"		"	"	1		30.03	69	68	65		"	"	4	"	
Mid.	"		"	"	1		30.03	69	68	65		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,
Sunday, 31st December, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and damp. Light breze from S.E. Moonlight. Aneroid 29.90.
Wainwright-Kellogg 1st Lieut

4 to 8 A.M. Weather partly cloudy and foggy. Light variable airs Barometer rising. Aneroid at end of watch 29.93.
[illegible] 1st Lieut

8 A.M to Meridian. Misty and warm, Light airs varying from N to W. Went to quarters at 9.30. Commanding Officer inspected ship and crew. Aneroid barometer at the close 29.93.
W. M. Symington Master

Meridian to 4 P.M. Weather clear and pleasant with light breeze from S. Barometer steady. Aneroid at end of watch 29.93.
Wainwright-Kellogg 1st Lieut

4 to 8 P.M. Cloudy and cool with quite a heavy shower latter part. Light airs from S.S.E. At 6.00 made general signal 2985. Got up clothes lines. Aneroid barometer 29.96.
W. M. Symington Master

8 P.M to Midnight. Clear and pleasant. Light breze from E., Aneroid 29.96.
Wainwright-Kellogg 1st Lieut

U.S.S. "Essex." 3d Rate
Callao. Peru. Dec. 31. 1882.

Sir:

We recommend that F. K. Bashforth. John Clunie, Wm F. Daine, F. E. Dealing. Geo. Hillinger. M. L. Hartman. S. S. Lawrence. Gustav Nagle. John P. O'Neil, W. H. Plimley. E. B. Winslow. and Wm H. Wilson. O.S 2 Cl. be rated Ord Seamen, and that R. E. Henry. and Geo. W. Jones. 1 Cl boys be rated to Ord Seamen 2d Class.

Very respectfully

Wainwright-Kellogg 1st Lieut
T/ 1st Asst Engr 1st Lieut } Ex. board.
C. P. Rees. 1st Lieut

Commander
A. H. McCormick U.S.N.
Commanding

W. T. Lapsley
1st Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE&S	calm	0		30.00	68	68	66		bcm	cicum	5	S	
2	"		"	"	0		29.99	68	67	65		"	"	5	"	
3	"		"	"	0		29.98	68	67	65		"	"	4	"	
4	"		SSE	SSE	1		29.96	67	66	64		"	"	4	"	
5	"		"	"	1		29.98	67	66	64		ocm	mist	0	"	
6	"		"	"	1		30.00	67	65	63		"	"	0	"	
7	"		"	"	0-1		30.02	67	65	64		"	"	0	"	
8	"		"	"	0-1		30.05	67	66	64		"	"	0	"	
9	"		ESE	E	1		30.06	67	67	65		bc	cicum	2	"	
10	"		"	SSE	1		30.05	67	67	65		"	"	4	"	
11	"		SE	SSW	1		30.04	68	68	65		"	"	5	"	
Noon.	"		S	S.	1		30.02	67	67	65		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 350 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 400 "
Coal consumed during the preceding 24 hours — tons 1400 lbs.
Coal remaining on hand at Noon — 117 " 556 "

P. M.																
1	"		South	South	1		30.00	70	69	66		bcy	cicum	6	"	
2	"		"	"	1		29.98	70	69	66		"	"	6	"	
3	"		"	"	1		29.96	70	69	66		"	"	8	"	
4	"		"	"	1		29.96	70	69	66		"	"	8	"	
5	"		SSE	SSE	1		29.95	72	70	67		bcm	"	4	"	
6	"		"	"	1		29.96	72	70	67		"	"	8	"	
7	"		"	"	1		29.98	71	69	66		"	"	5	"	
8	"		"	"	1		29.99	71	69	66		"	"	7	"	
9	"		"	"	1		30.00	70	68	65		bcl	cicum & cir	8	"	
10	"		"	"	1		30.01	70	67	65		"	"	8	"	
11	"		S. E	"	1		30.02	70	67	65		bc	"	8	"	
Mid.	"		"	"	1		30.00	69	67	65		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Monday 1st January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy with light mist. Calm. Light airs from S.S.E. last hour. Barometer falling, Aneroid 29.90.

R. O. Dunn Ensign

4 to 8 A.M. Overcast cloudy and misty. Light airs from S.S.E. At 7.30 made signal 3350. and at 7.35 Rig Sprit Sail 6.43. at 7.45 sent down top gallant yards. Aneroid barometer 29.98.

W. Wilson Master

8 P.M. to Meridian. Clear and pleasant, light breeze from E to S.S.E. At 9.30 mustered at quarters. At 9. made signal 5455 and loosed sail. At 11. Chilian ironclad "Blanco Encalada" came in and anchored. Aneroid 29.96.

Wainwright-Kellogg Jr Lieut

Meridian to 4 P.M. Clear and pleasant, light airs from South. Barometer falling. Aneroid 29.90. At 3.20 made general signal 4826. Sprit Sail Fore and Aft sail. At 3.40 made general signal 2984. Hoisted smokestack and made preparations for distilling By order of Commanding Officer the following changes in ratings are hereby made to take effect from to day, viz. Johannes H. Frisliben from O.S. to Sea. William Thomas from O.S. to Sea, Fred.k Roe from Sands. to O.S. and John Kenny from Sds to O.S. as recommended by examining Board.

R. O. Dunn. Ensign.

4 to 8 P.M. Clear and pleasant. Light breeze from S.S.E. At 5.40 commenced distilling. Aneroid 29.96.

Wainwright-Kellogg Jr Lieut

8 P.M. to Midnight. Weather clear and pleasant. Light airs from South. Barometer steady. Aneroid 29.92. Flashes of lightning to Eastward first part of watch. Distilling

R. O. Dunn. Ensign

We recommend that J. H. Frisliben and Wm. Thomas. ord. seamen be rated seamen and that John Kenny and Fred.k Roe. Sands. be rated Ord. Seamen.

M. R. S. Mackenzie Lieut
W. H. Parker Lieut
Wainwright-Kellogg Lieut
} Permt Board.

Moon's mid Examined and found to be correct.
Dec 9° 47' 36" S
Phase. New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E.	1		30.00	69	67	65		bc	Cir cum & Strat	1	8	
2	"		"	"	1		29.98	69	67	65		oc	"	0	"	
3	"		"	"	1		29.98	68	66	63		"	"	0	"	
4	"		S.E.	S E.	1		29.98	68	68	63		"	"	0	"	
5	"		"	"	1		30.00	68	66	64		ocm	Cum & nimb	0	"	
6	"		E.	Calm	0		30.02	68	66	64		"	"	0	"	
7	"		"	"	0		30.02	68	67	65		"	"	0	"	
8	"		"	"	0		30.00	68	67	65		"	"	0	"	
9	"		"	"	0		30.00	76	70	67		"	"	0	"	
10	"		"	"	0		30.00	73	70	67		oc	"	0	"	
11	"		"	South	1		30.00	73	70	67		bc	"	2	"	
Noon.	"		S	"	1		30.00	73	70	67		"	Cir cum & Cir	5	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

* Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 2750 "

Water remaining on hand fit for use at Noon — 2800 "

Coal consumed during the preceding 24 hours — 2 tons 720 lbs.

Coal remaining on hand at Noon — 114 " 2076 "

P. M.																
1	"		S S E.	S S E	1		29.96	72	69	66		bc	Cir cum	8	8	
2	"		"	"	1		29.93	72	69	66		"	"	8	"	
3	"		S S W.	S	1		29.90	73	69	65		"	"	6	"	
4	"		S	S S W.	1		29.92	73	69	65		"	"	8	"	
5	"		"	"	1		29.92	73	69	65		"	"	8	"	
6	"		"	"	1		29.95	73	69	65		"	"	5	"	
7	"		"	"	1		29.95	70	69	65		"	"	5	"	
8	"		"	"	1		29.98	70	69	65		"	"	4	"	
9	"		S E x S	S E x S	1		30.00	71	68	65		oc	Cum & nimb	0	"	
10	"		"	"	0-1		30.01	71	68	66		bc	"	2	"	
11	"		S E	S E	0-1		30.02	71	68	66		"	"	3	"	
Mid.	"		"	"	0-1		30.02	71	68	66		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday. January 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, light breeze from S.S.E and S.E. Barometer steady. Distilling water. Aneroid barometer 29.91

Hart Rohrer, Lieut

4 to 8 A.M. Cloudy. Sultry. Light variable airs and calms. Distilling. Aneroid 29.96. Rec'd for use of crew 105 lbs of fresh beef and vegetables and 84 loaves of bread.

Wainwright Clevenger

Lieut

8 A.M to Meridian. Weather overcast and sultry. Calms and light airs from South. Barometer steady. Aneroid 29.90. At 9.30 beat to general quarters and cast loose in two minutes. Exercised divisions. Absent without leave Wm Morris. (OS.) A reward of ten dollars was offered for his apprehension and delivery on board. By order of Commanding Officer the following punishments were awarded viz: E. E. Chamberlain (OS2) one days extra duty for disobeying petty officer and Richd A. Frisby (Sds) ten days extra duty for not coming below when sent for and surly towards steward. At 11.10 made general signal 2372. Commanding Officer paid an official visit to H.M.S. Sapphs and Chilian man of war Blanco Encalada. Distilling

T. O. Dunn, Ensign

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling Cirro-cumulus clouds. Light breeze from S.S.E. to S. Hauled fires and lowered smokestack. Wm Morris. (OS.) was brought on board by the police authorities and a reward of ten dollars was paid for their services. Aneroid barometer 29.85

Hart Rohrer Lieut

4 to 8 P.M. Clear and pleasant first part, clouding over last part of watch. Light airs from S.S.W. Barometer rising. Aneroid 29.92 At 4.45 mustered at quarters. At 4.10 made general signal 1087. to the "Iroquois" and at 6.19 general signal 2985

T. O. Dunn Ensign

8 P.M to Midnight. Weather pleasant. Barometer steady. Cumulus and nimbus clouds. Light airs from S.S.W to S.E by S. Aneroid barometer 29.914

Hart Rohrer, Lieut

Moon I mid
Dec 13° 16' 27" S.
Phase. New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" , 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E.	E.S.E	1		29.98	70	68	66		o c m	cum & numb	0		
2	"		E.S.E.	"	1		29.96	69	68	66		"	"	0		
3	"		S	S.S.E.	1		29.96	69	67	65		"	"	0		
4	"		"	N.N.W	1		29.96	68	67	65		o c fd	"	0		
5	"		"	"	1		29.96	68	67	65		of	none	0		
6	"		W	Calm	0		30.00	68	67	65		"	"	0		
7	"		"	"	0		30.00	68	67	65		"	"	0		
8	"		"	"	0		30.00	68	67	66		b c m	Numb	1		
9	"		S.W.	S.S.W.	1		30.01	69	68	66		b c	Ci cum	1		
10	"		"	"	1		30.02	70	69	67		"	"	3		
11	"		"	"	1		30.03	70	69	67		"	"	3		
Noon.	"		"	"	1		30.02	72	70	68		"	"	3		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 285 "

Water remaining on hand fit for use at Noon 2700 "

Coal consumed during the preceding 24 hours tons 700 lbs.

Coal remaining on hand at Noon 114" 1376 "

P. M.																
1	"		S.S.E.	S.S	1		30.00	73	71	67		b c	Ci cum	2	"	
2	"		"	"	1		30.00	74	72	68		"	"	5	"	
3	"		"	"	1		30.00	74	72	68		"	"	5	"	
4	"		"	"	1		29.98	73	71	67		"	"	5	"	
5	"		"	"	1		30.00	76	72	68		"	"	7	"	
6	"		"	"	1		30.00	74	70	66		"	"	4	"	
7	"		"	"	1		30.00	74	70	66		"	"	4	"	
8	"		"	S.S.W.	1		30.03	73	69	67		"	"	4	"	
9	"		"	S.S.E	1		30.04	73	68	66		"	"	4	"	
10	"		"	"	1		30.05	73	68	66		"	"	8	"	
11	"		"	"	1		30.05	72	68	66		"	"	6	"	
Mid.	"		"	"	1		30.04	72	68	66		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday 3d January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant, light airs from S. and E. Barometer steady. Aneroid 29.96.

Lieut

4 to 8 A.M. Overcast with thick fog until last hour, when it cleared to light mist. Calm and light airs from N.N.W. Barometer steady. Aneroid 29.98. At 7.30 made general signal 3350. At 7.40 made signal 6069 (rep) crossed royal and topgallant yards. Rec'd in Pay Dept 105 lbs fresh beef 105 lbs vegetables and 84 loaves of bread.

Ensign

8 A.M. to Meridian. Weather pleasant. Barometer rising. Light airs from S.S.W. Cirro-cumulus clouds. At 9.30 mustered and inspected crew at quarters and exercised 1st div at small arms, 2 div at great guns, 3d and powder divs at single sticks and Masters div at small arms. Released L. F. Schuman, (QM) from confinement by order of Commanding Officer. Enlisted Chas. Broad as seaman for three years under C.S.L. #5089. The Captain of the Chilian iron-clad "Blanco Encalada" visited the ship officially. Aneroid bar 29.95

Lieut.

Meridian to 4 P.M. Weather clear and warm. Light airs from S.S.E. Barometer steady. The American Consul visited the ship. A French man of war came in and anchored. Sent an officer to board her and extend the usual civilities. Aneroid at end of watch 29.99.

Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light breeze from S.S.E. At 4.46 mustered crew at quarters and stowed out clean hammocks. At 5.40 made signal, preparatory, No 6068. At 5.50 made signal No 6068. and sent down topgallant and royal yards. Aneroid barometer 29.95

Lieut

8 P.M. to Midnight, Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.96.

Lieut

Moon's mid Dec 16° 15' 4" S
Phase. New moon

Examined and found to be correct.

W. H. Gardner
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.02	70	66	64		bc	cir cumo	7	b	
2	"		"	"	1		30.00	70	67	65		"	"	6	"	
3	"		"	"	1		30.00	70	67	65		"	"	6	"	
4	"		"	"	1		30.00	70	67	65		"	"	6	"	
5	"		SE	"	1		30.00	69	67	65		"	"	5	"	
6	"		SSE	"	1		30.06	69	67	65		"	"	5	"	
7	"		"	"	1		30.06	69	66	64		"	"	4	"	
8	"		"	"	1		30.07	69	66	64		"	"	4	"	
9	"		"	"	1		30.07	69	66	64		"	"	4	"	
10	"		"	"	1		30.05	69	66	64		"	"	4	"	
11	"		"	"	1		30.05	70	66	64		"	"	4	"	
Noon.	"		"	"	1		30.02	71	70	64		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2350 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 112 " 1076 "

P. M.																
1	"		S.	South	1		30.01	72	70	67		bc	cir cu	8	"	
2	"		"	"	1		30.02	73	71	67		"	"	8	"	
3	"		"	S x E.	1		30.02	74	71	67		"	"	6	"	
4	"		"	South	1		30.01	74	72	68		"	"	5	"	
5	"		SSE	SSE	1		30.01	73	69	66		"	"	4	"	
6	"		"	"	1		30.01	71	68	66		"	cir cumu	3	"	
7	"		"	"	1		30.01	71	68	66		"	"	4	"	
8	"		"	"	1		30.06	70	67	65		"	cir cumu	4	"	
9	"		"	"	1		30.05	71	67	65		"	"	2	"	
10	"		"	"	1		30.05	70	67	65		"	"	2	"	
11	"		"	"	1		30.06	70	67	65		vc	"	0	"	
Mid.	"		"	"	1		30.05	70	67	65		ocr	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Thursday 4th December, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid barometer 29.94.

W.M. Smith
Master

4 to 8 A.M. Weather clear and pleasant. Barometer rising. Cirro-cumulus clouds. Light breeze from S.S.E. At 7.30 made signal No. 3350 and at 7.35 made signal preparatory No 5455. at 7.45 made signal No 5455 and loosed sail. Aneroid barometer 29.97.

Ward Robinson Lieut

8 A.M to Meridian. Weather party cloudy and pleasant, light breeze from S.S.E. A Chilian gun boat left the harbor at 9. and returned at 11.30. H.M.S "Kingfisher" left the harbor at 10.00. Mustered at quarters at 9.30 and exercised 1st and Navigators divs. at single sticks 3d division and Marine guard at small arms and powder division at passing powder, A board of officers held a survey at 11.00. on a Herschoff boil belonging to the steam cutter of this vessel. At 11.25 made signal 4826. At 11.30 furled sail. Aneroid at end of watch 29.97.

C. Lee Lieut

Meridian to 4 P.M. Pleasant weather. Light airs from S to S.by E. At 12.45 received an official visit from the Commanding Officers of the French man of war "Eclaireur", also an official visit from an officer of the "Blanco Encalada". Furled main trysail and spanker at 3.30. Aneroid barometer 29.97.

W.M. Smith
Master

4 to 8 P.M, Weather clear and pleasant. Light airs from S.S.E. At 4.30 made signal 3918. Mustered at quarters at 4.45 and turned in hammocks. At 6.15 made signal 2985. Aneroid at end of watch 29.97.

C. Lee Lieut

8 P.M to Midnight. Cloudy and cool. Light airs from S.S.E. Aneroid barometer at the close 29.98.

W.M. Smith
Master

Moon 1st qu'd Dec. 18° 33' 38" S.
Phase. New moon.

Examined and found to be correct.

W. H. Barker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Noon.	4		SSE.	SSE.	1		30.01	70	67	65		ocd	Nimb	0	S	
2	"		"	"	1		29.99	69	67	65		"	"	0	"	
3	"		"	"	2		29.97	69	66	65		oc fd	"	0	"	
4	"		"	"	2		29.97	68	66	65		"	"	0	"	
5	"		SE	SE	1		30.00	68	66	65		"	"	0	"	
6	"		"	"	0-1		30.02	68	66	65		oc f	Cumi Nimb	0	"	
7	"		"	"	1		30.03	68	66	65		ocm	"	0	"	
8	"		"	"	1		30.04	68	66	65		bcm	Cir cumi	3	"	
9	"		SSE	SE.	1		30.05	69	67	65		"	"	5	"	
10	"		"	SSE	1		30.04	69	69	66		"	"	3	"	
11	"		"	S.	1		30.01	70	69	66		"	"	5	"	
Noon.	"		S	SE	1		30.01	71	69	66		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2000	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	114 "	776 "	

P. M.																
1	"		SSE	SSE	1		30.00	71	69	66		bc	Cir cumi	5	"	
2	"		"	"	1		30.00	71	69	66		"	"	5	"	
3	"		"	"	1		30.00	71	69	66		"	"	1	"	
4	"		"	"	1		30.00	71	69	66		"	"	1	"	
5	"		"	"	2		29.98	71	68	65		"	"	4	"	
6	"		"	"	2		29.98	71	68	65		"	"	5	"	
7	"		"	"	2		30.00	71	68	65		"	"	6	"	
8	"		"	"	1		30.02	70	67	65		"	"	8	"	
9	"		"	"	1		30.00	70	67	64		bc	"	8	"	
10	"		"	"	1		30.00	69	67	64		"	"	8	"	
11	"		"	"	1		30.00	69	67	64		"	"	8	"	
Mid.	"		"	"	1		29.98	69	66	64		oc	Cumi Nimb	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A H. McCormick, U. S. Navy;

Friday, 5 January, 1883

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Cloudy. Light showers of rain. Light airs from S S E. Aneroid 29.92.

Wainwright Ensign

4 to 8 A M. Weather foggy and misty, clearing latter part of watch Light airs from S. and E. Barometer is in a. At 7.30 made signal No 3350. At 7.35 made preparatory signal 6069. At 7.50 made signal 6069 and crossed topgallant and royal yards. Aneroid at end of watch 29.98

Ensign

8 A M to Meridian. Pleasant weather. Light breezes varying from S. E to South. Went to quarters at 9.30 and exercised the crew at fire quarters. Exercised the battalion. Commanding Officer left the ship to pay official visits. At 9.15 "Onward" made signal (int) 6222. Answd 90 L. Aneroid 29.96

W. W. Smith

Master

Meridian to 4 P. M. Weather overcast and cool. Light breezes from S S E. At 2.25 "Swiftsure" fired a salute of 15 guns with Chilian flag at fore. At 2.40 H. M. S. "Kingfisher" entered the harbor and anchored. At 2.45 "Montcalm" fired a salute of 15 guns with Chilian flag at fore. At 2.50 the Chilian Minister paid an official visit to the ship At 3.30 made signal 2984. Made preparations for hoisting out sailing launch. Aneroid 29.90.

Wainwright Ensign

4 to 8 P. M. Pleasant weather. Light breeze from S S E. Went to quarters at 4.45. At 5.00 made signal Prep' 6070. and at 5.50 signal 6070 Sent down royal yards. A mail steamer from the north came in and anchored, sent an officer to board her and get the mail. At 6.40 made signal 2872. Aneroid barometer 29.96

W. W. Smith

Master

8 P. M to Meridian. Clear and pleasant. Light airs from S S E. Aneroid 29.98.

Wainwright Ensign

Moon 1 mid Dec 20° 00' 59" S Phase, New moon

Examined and found to be correct.

W. W. Parker

Ensign & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.00	68	66	64		bc	Cir cumm Scirrh	2	S	
2	"		"	"	1		30.00	68	66	64		ocw	"	0	"	
3	"		"	"	1		29.98	68	66	64		"	"	0	"	
4	"		"	"	1		29.98	68	66	64		"	"	0	"	
5	"		"	Calm	0		29.99	68	66	64		of	None	0	"	
6	"		"	"	0		30.00	68	65	64		"	"	0	"	
7	"		"	"	0		30.02	68	65	64		"	"	0	"	
8	"		"	"	0		30.03	68	65	64		"	"	0	"	
9	"		"	SSE	0-1		30.05	67	66	64		ocw	Nimb	0	"	
10	"		"	"	0-1		30.06	67	67	65		oc	Cumc Nimb	0	"	
11	"		S	South	1		30.05	70	68	66		bc	Cir cumm	5	"	
Noon.	"		"	"	1		30.05	70	69	66		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1650 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 114 " 476 "

P. M.															
1	"		South	South	1		30.00	71	69	66		bc	Cir cumm	8	"
2	"		SSE.	S x E	1		29.97	70	70	66		"	"	8	"
3	"		"	SSE	1		29.96	72	70	66		"	"	9	"
4	"		"	"	1		29.94	72	69	66		"	"	9	"
5	"		"	"	1		29.95	72	69	66		"	"	8	"
6	"		"	"	1		29.97	72	69	66		"	"	8	"
7	"		"	"	1		29.97	72	69	66		"	"	8	"
8	"		"	"	1		29.98	72	69	66		"	"	9	"
9	"		"	"	1		30.00	70	68	66		"	Cir	9	"
10	"		"	"	1		30.01	70	67	65		b	—	10	"
11	"		"	"	1		30.01	69	67	65		"	—	10	"
Mid.	"		"	"	1		30.01	69	66	64		"	—	10	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A H McCormick, U. S. Navy;

Saturday, 6 January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S S E. Barometer steady. Aneroid 29.92 at end of watch.
R. O. Dunn Ensign.

4 to 8 A.M. Overcast and foggy. Calm. Barometer rising slowly. Rec'd on board in Paymasters Dept for use of crew. 107 lbs of fresh beef and vegetables, and 65 loaves of bread. Aneroid barometer 29.96.
W. W. Lamb Master

8 to Meridian Cloudy. ninety first hour. clear and warm remainder of watch. Light breeze from S S E. At 9.30 mustered at quarters. Aneroid 29.95.
Wainwright Kellogg

Meridian to 4 P.M. Clear pleasant weather. Light airs from South to S S E. Barometer falling. Aneroid 29.94.
W.R. Sent
R. O. Dunn Ensign

4 to 8 P.M. Clear and pleasant. Light breeze from S S E. Aneroid 29.94.
Wainwright Kellogg

8 P.M. to Midnight. Weather pleasant and clear. Light airs from S S E. Barometer steady. Aneroid 29.95 at midnight.
W.R. Sent
R. O. Dunn. Ensign

Moon's mid. Examined and found to be correct.
Dec. 20° 27' 23" S
Phase, New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E	1		30.00	68	67	65		bc	Cirs	9	S	
2	"		"	"	1		29.98	68	67	65		"	"	9	"	
3	"		"	"	1		29.98	68	67	65		bc m	Cir cum	6	"	
4	"		"	"	1		29.98	68	67	65		"	"	3	"	
5	"		"	"	1		30.00	68	67	65		"	"	2	"	
6	"		"	"	1		30.00	68	67	65		"	"	3	"	
7	"		S E.	S. E.	1		30.00	68	67	65		"	"	4	"	
8	"		"	"	1		30.00	68	67	65		"	"	4	"	
9	"		S x E	S x E.	1		30.05	69	67	65		bc	"	2	"	
10	"		"	"	1		30.08	70	68	66		"	"	2	"	
11	"		South	South	1		30.08	70	69	66		"	Cir cum Strs	8	"	
Noon.	"		"	"	1		30.08	71	70	66		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1350 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 114 " 176 "

P. M.																
1	"		S	S	2		30.04	71	71	66		bc	Circum	8	"	
2	"		S S E	S S E	3		30.02	71	71	66		"	"	8	"	
3	"		"	"	3		30.00	72	70	66		"	"	8	"	
4	"		S	"	3		30.00	72	70	66		"	"	8	"	
5	"		S S E	"	2		29.98	73	69	66		"	Cir Cum Strs	8	"	
6	"		"	"	2		29.98	72	68	65		"	"	7	"	
7	"		"	"	2		29.98	72	68	65		"	"	6	"	
8	"		"	"	3		29.99	71	67	65		"	Circum	7	"	
9	"		"	"	2		30.05	70	67	65		"	"	8	"	
10	"		"	"	1		30.05	70	67	65		"	"	8	"	
11	"		"	"	1		30.05	70	67	65		"	"	8	"	
Mid.	"		"	"	1		30.05	70	67	65		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday 7th January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer steady Cirrus and cirro-cumulus clouds. Light breeze from S.S.E. Aneroid bar. 29.93
Hark Rohwer Lieut

4 to 8 A.M. Cloudy. Pleasant. Light airs and calms. Received in Pay Dept. 107 lbs of fresh beef and vegetables and 85 loaves of bread. Aneroid 29.99.
Wainwright-Kellogg
WR Lieut

8 A.M to Meridian. Cloudy first part, clear and warm last part of watch. Light airs from S by E and South. Barometer rising. Aneroid 29.98 at noon. At 9.20 called all hands to muster and read Articles for better government of the Navy.
F. M. Dunn. Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light to gentle breeze from S to S.S.E. Barometer falling. Cirro cumulus clouds. Aneroid barometer 29.92
Hark Rohwer Lieut

4 to 8 P.M. Clear and pleasant weather. Light to gentle breeze from S.S.E. Barometer steady. Aneroid 29.96. At 6.bo made general signal 2985.
F. M. Dunn. Ensign

8 P.M to Midnight. Weather clear and pleasant. Barometer rising. Cirro-cumulus clouds. Light breeze from S.S.E. Aneroid bar. 29.98.
Hark Rohwer Lieut

Mean k mid
Dec 19° 46' 31" S.
Phase. New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	1		30.00	69	66	65		bc	circus	8	8	
2	"		"	"	1		30.00	69	66	65		"	"	8	"	
3	"		"	"	1		29.99	69	66	65		"	"	11	"	
4	"		SE	SE.	1		30.00	68	66	64		oc	cumb	0	"	
5	"		"	Calm	0		30.02	68	66	64		"	"	0	"	
6	"		"	"	0		30.04	68	66	64		"	"	0	"	
7	"		"	"	0		30.06	68	66	64		bc	circus cumb	1	"	
8	"		SSE	SSE	1		30.07	69	66	65		oc m	"	0	"	
9	"		"	"	1		30.06	69	66	65		"	"	0	"	
10	"		"	"	1		30.08	70	68	66		oc	"	0	"	
11	"		"	"	1		30.08	70	68	66		bc	"	1	"	
Noon.	"		"	"	1		30.05	71	68	66		"	"	3	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1000	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	113 " 2116	"	

P. M.																
1	"		SSE.	S	1		30.06	72	71	67		bc	circus	3	"	
2	"		"	SE.	1		30.05	72	71	67		"	"	5	"	
3	"		"	SSE	1		30.04	73	72	68		"	"	6	"	
4	"		"	"	1		30.04	73	72	68		"	"	6	"	
5	"		SE	SE	1		30.04	72	71	68		"	"	6	"	
6	"		"	"	1		30.06	72	69	66		"	circus cumb	5	"	
7	"		"	"	1		30.08	72	69	66		"	"	5	"	
8	"		"	"	1		30.10	74	69	66		"	"	5	"	
9	"		"	"	1		30.10	73	69	66		"	"	5	"	
10	"		"	"	1		30.10	73	69	66		"	"	5	"	
11	"		"	"	1		30.10	72	68	65		"	"	3	"	
Mid.	"		"	"	1		30.10	71	68	65		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, 8th January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant first part of watch, overcast last hour. Barometer steady. Aneroid 29.98.

Thos Cox Jr Lieut

4 to 8 A.M. Overcast, cloudy and misty. Light airs from S.S.E. and calm. Barometer rising. Aneroid 30.06. At 7.30 made general signal 3250. at 7.35 general signal (prep) 6071. crossed royal yards.

F. R. Brown Ensign

8 A.M to Meridian. Weather cloudy but pleasant, Barometer steady Cirro cumulus and cumulus clouds. Light airs from S.S.E. At 9.30 mustered and inspected crew at quarters and found M. Reilly Lds and Robert J. Burrows. Lds absent without leave. Exercised fighting crew of sailing launch firing at target with howitzer. 2d division at single sticks. 3d and powder divisions at small arms. Hoisted in sailing launch. Aneroid barometer 29.99. "Iroquois" made signal Interrogation No 4861. Answered and made signal Roll By order of Commanding Officer confined Henry Hebus (OS) in double irons for ten days for disobedience of orders.

Wm Hobson Lieut

Meridian to 4 P.M. Weather clear and pleasant. Light airs from S. and E., Barometer falling. Aneroid 29.99.

Thos Cox Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer rising. Cirro-cumulus and stratus clouds. Light breeze from S.E. At 4.45 mustered crew at quarters, and found R. J. Burrows. Lds, absent without leave. At 5th made signal preparatory. No. 2253. at 5.40 made signal preparatory, No 6068 and at 5.50 made signal No 6068, and sent down topg allant and royal yards. Aneroid barometer 30.00. R. J. Burrows (Lds) returned to ship.

Hal Hobson, USN Lieut

8 P.M to Midnight, Weather partly cloudy and pleasant, Light airs from S.E. Barometer steady. Aneroid 30.02.

Thos Cox Lieut

Moon 1 mid Examined and found to be correct.
Dec 17th 53' 24" S
Phase, New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.10	70	68	65		oc	Cum & nimb	0	S.	
2	"		"	"	2		30.09	70	67	65		"	"	0	"	
3	"		"	"	2		30.09	69	67	65		"	"	0	"	
4	"		"	"	1		30.09	69	67	65		"	"	0	"	
5	"		"	"	1		30.09	69	68	65		"	"	0	"	
6	"		"	"	1		30.10	69	67	65		"	"	0	"	
7	"		SE×S	SE×S	1		30.12	69	67	65		bc	Nimbus	3	"	
8	"		"	"	1		30.12	69	68	65		"	"	3	"	
9	"		"	"	1		30.12	70	70	65		"	"	4	"	
10	"		SSE	SSE	1		30.10	73	71	68		"	"	4	"	
11	"		"	"	2		30.10	73	71	68		"	Circum	5	"	
Noon.	"		"	"	3		30.10	73	71	68		"	"	5	"	

P. M.																
1	"		SSE	SSE	1		30.03	73	71	68		bo	Circum	6	"	
2	"		"	"	1		30.03	73	71	68		"	"	6	"	
3	"		"	"	1		30.05	73	71	68		"	"	6	"	
4	"		"	"	1		30.05	73	71	68		"	"	6	"	
5	"		S	S	2		30.05	75	71	66		"	"	6	"	
6	"		SSE	SSE	2		30.05	75	69	66		"	"	7	"	
7	"		"	"	2		30.06	74	69	66		"	"	6	"	
8	"		"	"	2		30.07	74	68	66		"	"	4	"	
9	"		SE×S	SE×S	3		30.09	74	68	66		"	"	6	"	
10	"		"	"	3		30.10	74	69	67		"	"	7	"	
11	"		SE	SE	3		30.12	73	68	66		"	"	7	"	
Mid.	"		"	"	3		30.12	73	68	66		"	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 650 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 113 " 1816 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday 10th January, 1853.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy with light breeze from S.S.E. Barometer steady. Aneroid barometer 30.62

W. M. Sinn
Master

4 to 8 A.M. Weather pleasant. Barometer rising. Cumulus nimbus and stratus clouds. Light breeze from S.S.E and S by E. At 7.30 made signal No 3350. at 7.35 made signal. preparatory. No 5461 and at 7.45 made signal No 5461. and sent up topgallant and royal yards and loosed sail. Received on board for crew 106 lbs of fresh beef 106 lbs of vegetables and 85 lbs of Bread. Aneroid barometer 30.05.

Thos Johnson Lieut

8 A.M. to Meridian. Weather clear and warm. Light airs from S. and E. Barometer steady. Crew at work breaking out and cleaning hold. At 11.28 made signal 4826. Furled sail at 11.30. At 11.35 made signal 2254 Aneroid at end of watch 29.99

A. Rae Lieut

Meridian to 4 P.M. Pleasant weather. Light airs from S.S.E. Restowed the hold. The American ship "Belle O'Brien" came in and anchored Sent an officer to board her. Aneroid barometer 29.98.

W. M. Sinn
Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S. and E. Barometer steady. Mustered at quarters at 4.45. Made signal 2985 at 6.00. Aneroid at end of watch 29.99.

A. Rae Lieut

8 P.M to Midnight, Pleasant weather. Light breeze from S.E. Barometer rising. Aneroid barometer 30.02

W. M. Sinn
Master

Moon's mid Examined and found to be correct.
Dec 14° 55' 35" S
Phase. First quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.10	71	68	65		bc	circum	6	S.	
2	"		"	"	1		30.09	71	68	65		"	"	4	"	
3	"		"	"	1		30.09	71	68	65		"	"	4	"	
4	"		"	"	1		30.08	71	68	65		"	"	6	"	
5	"		"	"	1		30.08	70	68	66		"	"	6	"	
6	"		ESE.	SE	1		30.10	69	67	65		"	"	7	"	
7	"		"	"	1		30.12	70	68	66		"	"	8	"	
8	"		S. E.	"	1		30.14	70	68	66		"	"	9	"	
9	"		"	"	1		30.14	71	70	67		"	cir and cir cumm	7	"	
10	"		SSE.	SSE	1		30.14	72	71	68		"	"	8	"	
11	"		"	"	2		30.14	72	70	67		"	cir cumm	7	"	
Noon.	"		"	"	2		30.13	72	70	67		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 300 "

Coal consumed during the preceding 24 hours — tons 1300 lbs.

Coal remaining on hand at Noon — 113 " 676 "

P. M.																
1	"		S x E.	S x E.	2		30.10	73	71	67		bc	cir cumm	6	"	
2	"		"	"	2		30.10	73	71	67		"	"	5	"	
3	"		"	"	2		30.08	74	73	69		"	"	5	"	
4	"		"	"	2		30.06	75	75	69		"	"	5	"	
5	"		"	"	2		30.08	75	75	69		"	"	6	"	
6	"		SE	SE.	1		30.08	75	75	69		"	"	5	"	
7	"		"	"	1		30.08	73	69	67		"	"	5	"	
8	"		"	"	1		30.08	73	69	67		"	"	6	"	
9	"		SE x S.	SE x S	2		30.10	72	69	67		"	"	8	"	
10	"		"	"	2		30.10	72	68	67		"	"	6	"	
11	"		"	"	1		30.10	72	68	67		"	"	8	"	
Mid.	"		SSE	SSE	1		30.10	72	68	67		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday January 10th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light breeze from S S E. Aneroid 30.00.
Wainwright Lieut

4 to 8 A.M. Weather clear and warm. Light airs from S. and E. Barometer rising. Made signal 3350 at 4.30. Aneroid at end of watch 30.04. Received on board for ships company 106 1/4 lbs of fresh beef 106 1/4 lbs vegetables and 85 loaves of bread.
Wainwright for Lieut

8 AM to Meridian. Cloudy and pleasant. Light breeze from S E. hauling to S S E. Went to quarters at 9.30 and inspected the crew. At 9.35 made signal Prep' 4390. at 9.45 made signal 5521. called all hands and made sail to royals. At 9.47 made signal 4826. Furled sail At 9.53 made signal 2876. By order of Commanding Officer placed John Kennedy. Boiler Maker's in solitary confinement on bread and water for three days for disobeying orders of Engineer of watch. Sent an officer to booked mail steamer. Aneroid barometer 30.04. Made preparations for distilling.
W. W. Wainwright Master

Meridian to 4 PM. Weather clear and pleasant with light breeze from S. and E. Commenced distilling at 12.50. At 3.27 made general signal 2984. Aneroid at end of watch 29.96.
Wainwright Lieut

4 to 8 PM. Pleasant weather. Light south-easterly breeze. Went to quarters at 4.45. H. B. M. S. "Sappho" left the harbor At 5.15 Distilling Aneroid barometer 30.00.
W. W. Wainwright Master

8 PM to Midnight. Misty. Pleasant. Light breeze from S E by S. Distilling. Aneroid 30.04.
Wainwright Lieut

Moon 1 mid
Dec 11° 02' 40" S
Phase, First quarter

Examined and found to be correct.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S × E	S × E	1		30.08	72	69	67		o cm	nimb	0	8	
2	"		"	S S E.	1		30.08	71	69	67		"	"	0	"	
3	"		"	"	1		30.08	71	69	67		"	"	0	"	
4	"		"	"	1		30.08	70	68	67		of	None	0	"	
5	"		"	"	1		30.08	70	68	67		"	"	0	"	
6	"		"	"	1		30.08	70	68	67		"	"	0	"	
7	"		E × S	"	1		30.08	70	68	67		"	"	0	"	
8	"		"	Calm	0		30.10	69	67	65		"	"	0	"	
9	"		E S E	"	0		30.12	69	68	66		bcz	cirrus	3	"	
10	"		S	"	0		30.12	70	69	67		bc	"	6	"	
11	"		S S W	S	1		30.10	71	70	67		"	"	8	"	
Noon.	"		"	"	1		30.13	71	70	67		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 3000 "

Water remaining on hand fit for use at Noon — 2950 "

Coal consumed during the preceding 24 hours — 2 tons 1220 lbs.

Coal remaining on hand at Noon — 110 " 1536 "

P. M.																
1	"		S W.	S W.	1		30.11	72	71	68		bc	Cirrus & strat	8	"	
2	"		S	S.	1		30.09	72	71	68		"	"	8	"	
3	"		"	"	1		30.07	73	72	68		"	"	8	"	
4	"		"	"	1		30.07	72	71	68		"	"	4	"	
5	"		S × E.	S × E	1		30.05	72	71	68		"	"	4	"	
6	"		S S E.	S S E	1		30.07	72	71	68		"	"	1	"	
7	"		"	"	1		30.07	72	71	68		"	"	4	"	
8	"		"	"	1		30.09	72	71	68		"	"	4	"	
9	"		S E.	S E	1		30.10	70	67	65		"	"	4	"	
10	"		"	"	1		30.10	70	68	66		"	"	4	"	
11	"		S S E	S S E	1		30.10	70	68	66		o c m	nimb	0	"	
Mid.	"		S	"	1		30.10	70	68	66		bc m	cir cum Nimb	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, January 11th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Overcast cloudy and misty with thick fog last hour. Light airs from S by E, and S S E. Barometer steady. Aneroid 30.00. Distilling.

H. O. Dunn, Ensign

4 to 8 P M. Cloudy and foggy. Light airs from S S E until last hour. Stopped distilling at 7 P M and hauled fires. Aneroid barometer at end of watch 30.05.

W M Cowan
Master

8 A M to Meridian. Foggy first hour, clear and pleasant remainder of watch. Abp. 30 mustered and inspected at quarters. Exercised 1st and Navs divisions at single sticks. 2d and 3d at small arms. Aneroid 30.02. Light airs and calms.

Warrington Kellogg
Asst Surgeon

Meridian to 4 P M. Warm pleasant weather, cloudy last hour. Light airs from S W and South. Barometer falling Aneroid 29.98 at end of watch.

H. O. Dunn, Ensign.

4 to 8 P M. Clear first two hours. Foggy remainder of watch. Light breeze from S S E. At 4.45 P M mustered at quarters. Aneroid 30.04.

Warrington Kellogg
Asst Surgeon

8 P M to Midnight. Generally cloudy and misty. Light airs from S E and S S E. Barometer steady. Aneroid 30.02 at midnight.

H. O. Dunn.
Ensign.

Moon's mid Dec 6° 03' 10" S. Phase 1st Quarter

Examined and found to be correct.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.08	70	69	67		bcm	Cum & nimb	2	8	
2	"		"	"	1		30.06	69	68	66		ocm	"	0	"	
3	"		SE	SE	1		30.04	69	68	66		"	"	0	"	
4	"		"	"	1		30.04	70	68	66		"	"	0	"	
5	"		"	"	1		30.05	70	68	66		"	"	0	"	
6	"		SSW.	Calm	0		30.05	70	68	66		"	"	0	"	
7	"		W.	"	0		30.05	70	68	66		"	"	0	"	
8	"		"	"	0		30.05	70	68	66		bc	"	2	"	
9	"		"	"	0		30.06	70	68	66		ocm	"	0	"	
10	"		"	"	0		30.07	70	68	66		"	"	0	"	
11	"		"	"	0		30.08	72	70	66		"	"	0	"	
Noon.	"		"	"	0		30.10	72	70	66		bc	Cir cum	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2600	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	110 "	1256	"

P. M.																
1	"		WNW.	WNW.	1		30.08	71	70	67		bcf	Cir cum & Cum	4	"	
2	"		SSW.	S	2		30.08	71	69	67		bc	"	3	"	
3	"		S	SSE	2		30.08	72	69	66		"	"	3	"	
4	"		SSE	"	2		30.00	72	68	66		oc	Cum & nimb	0	"	
5	"		"	"	1		30.10	72	68	66		ocd	Nimb	0	"	
6	"		"	"	1		30.10	71	68	66		bc	nimb & Strat	1	"	
7	"		"	"	1		30.08	69	67	65		"	Cum & Strat	2	"	
8	"		SE×S	SE×S	1		30.08	69	67	65		"	"	2	"	
9	"		"	"	1		30.09	70	67	65		"	Cir Cum	7	"	
10	"		"	"	1		30.10	70	67	65		"	"	7	"	
11	"		"	"	1		30.08	70	67	65		"	"	7	"	
Mid.	"		"	SE	1		30.08	70	67	65		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Friday, January 12th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light airs from S.S.E and S.E. Barometer falling. Clouds cumulus and nimbus Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 A.M. Cloudy. Foggy. Light variable airs and calms. Aneroid 30.00.

Wainwright Kellogg, Lieut

8 AM to Meridian. Overcast cloudy and misty. Calm all the watch. Barometer rising slowly. Aneroid 30.00 at noon. At 8.40 half-masted colors with the French Flagship on account of the death of Gambetta. A French officer paid an official visit on board. At 9.30 exercised at fire quarters. Absent without leave. David Montgomery (Fire) Sent a reward of ten dollars ashore for his apprehension and delivery on board. D. Montgomery (Fire) returned on board 28 hours over time. Discovered a leak in the surface blow pipe.

H. O. Dunn, Ensign.

Meridian to 4 P.M. Weather pleasant but somewhat foggy. Light breeze from N.N.W. to S.S.E. Hoisted out sailing launch and drew the port guns in and shifted them to starboard & filled starboard boilers to list the ship so as to repair surface blow pipe on the port side. Two English (P.S.N.Co's) steamers came in one of them we boarded and received mail from the U.S. Made signal 2372 to the "Iroquois" at 3. Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 P.M. Overcast and cloudy with drizzling rain first hour, cloudy but pleasant rest of watch. Light airs from S.S.E and S.E by S. Barometer falling slightly. Aneroid 30.00. Engineers engaged in fixing surface blow outside.

H. O. Dunn, Ensign

8 P.M to Midnight. Weather clear and pleasant, Light breeze from S.E by S. Bright starlight. Aneroid barometer 30.00.

Karl Rohrer, Lieut

Moon's mid Dec 1° 35' 00" S. Phase. 1st Quarter

Examined and found to be correct.

W. S. Parker, Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.08	68	66	65		bcm	Cir cum	7	S	
2	"		"	"	1		30.05	68	66	65		"	"	7	"	
3	"		ESE	"	1		30.05	67	66	65		"	"	2	"	
4	"		SSE	"	1		30.04	67	66	64		ocm	Cum Strb	0	"	
5	"		"	"	1		30.04	67	66	65		bcm	"	2	"	
6	"		SE	SE.	1		30.07	67	66	65		of	None	0	"	
7	"		"	"	1		30.10	67	66	65		bcm	Cir Cum Strb	1	"	
8	"		"	"	1		30.10	67	66	65		"	"	1	"	
9	"		"	"	1		30.10	67	66	65		"	"	2	"	
10	"		"	"	1		30.08	68	66	65		"	Cir Cum	3	"	
11	"		S	S	1		30.08	68	66	65		"	"	3	"	
Noon.	"		"	"	1		30.08	70	66	65		"	"	4	"	

P. M.																
1	"		S.	Calm	0		30.06	71	71	67		bcm	Cir cum	4	"	
2	"		"	SSE.	1		30.04	71	71	67		"	"	5	"	
3	"		"	"	2		30.02	72	71	67		"	"	3	"	
4	"		"	"	2		30.02	72	71	67		"	"	2	"	
5	"		SSE	"	2		30.04	71	69	66		bc	"	2	"	
6	"		"	"	2		30.04	71	68	66		"	"	4	"	
7	"		"	"	2		30.02	70	68	65		"	"	4	"	
8	"		"	"	2		30.02	70	68	66		"	"	6	"	
9	"		SE	SE.	1		30.04	70	68	66		"	Cir cum Strus	4	"	
10	"		"	"	1		30.04	70	68	66		"	"	4	"	
11	"		"	"	1		30.06	70	68	66		"	"	6	"	
Mid.	"		"	"	1		30.06	69	68	66		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 850 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 110 " 936 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Saturday. January 13th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear at beginning of watch, gradually growing thick and misty. Light airs from S S E. Barometer falling. Aneroid at end of watch 29.97.

P Asst Surgn

4 to 8 A M. Overcast cloudy and misty with thick fog second hour. Light airs from S S E and S E. Barometer rising. Aneroid 30.02. At 7h made general signal 3350. Recd on board in Pay Department 107 lbs. fresh beef: 100 lbs vegetables and 85 loaves of bread.

R. V. Wm Ensign

8 A M to Meridian. Weather pleasant. Barometer steady. Cirro-cumulus and nimbus clouds. Light breeze from S to S E. At 9.30 called all hands to muster and read General Orders of the Secretary of the Navy and General Order of Rear Admiral A K Hughes, Commanding Naval Forces on Pacific Station. By order of Commanding Officer released John Kennedy (B M K) from confinement and confined Louis F. Schuman (C A.) in double irons for three days for insulting Police Officer who was leaving the ship after having brought James Cameron. (C C) on board. Made signal No 1087 to "Iroquois" at 9.45. Aneroid barometer 30.00.

1st Asst Engr U S N Lieut

Meridian to 4 P M. Weather cloudy and pleasant. Light airs from S S E. Barometer falling. Aneroid at end of watch 29.94.

P Asst Surgn Lieut

4 to 8 P M. Weather clear and pleasant. Light breeze from S S E. Clouds cirro-cumulus. Barometer steady. Having finished repairing port surface blow pipe right to the ship. Aneroid barometer 29.96.

1st Asst Engr U S N Lieut

8 P M to Midnight. Weather partly cloudy and pleasant. Light airs from S E. Barometer rising. Aneroid at end of watch 29.99

P Asst Surgn Lieut

Moon 1 qrtr
Dec. 3° 24' N.
Phase, 1st Quarter

Examined and found to be correct.

W. H. Parker
Lieut U S Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.04	68	67	65		rcm	pimb	0	S	
2	"		"	"	1		30.04	68	67	65		"	"	0	"	
3	"		"	"	1		30.04	68	67	65		bcm	"	1	"	
4	"		"	"	1		30.03	68	67	65		"	"	1	"	
5	"		ESE	"	1		30.03	68	67	65		ocm	"	0	"	
6	"		"	ESE.	1		30.03	68	67	65		"	"	0	"	
7	"		"	"	1		30.08	68	67	65		bcm	cicum cumb	1	"	
8	"		"	SE.	1		30.10	69	68	66		"	"	1	"	
9	"		"	"	1		30.10	69	68	66		"	"	1	"	
10	"		SSE	SSE.	1		30.10	70	68	66		"	"	1	"	
11	"		"	"	1		30.08	70	68	66		"	"	1	"	
Noon.	"		"	"	1		30.06	71	68	66		"	"	1	"	

P. M.																
1	"		SSE	SSE	2		30.05	72	70	67		bc	Cicum	5	"	
2	"		S	"	2		30.04	72	71	67		"	"	3	"	
3	"		"	"	1		30.02	73	71	67		"	"	11	"	
4	"		SSE	"	1		30.01	74	71	67		"	"	4	"	
5	"		S	SSE.	2		30.03	73	69	65		"	"	5	"	
6	"		"	"	2		30.04	72	68	65		"	"	5	"	
7	"		SSE	"	2		30.04	71	67	65		"	"	4	"	
8	"		"	"	1		30.04	71	67	65		"	"	4	"	
9	"		"	"	1		30.08	71	67	65		"	"	6	"	
10	"		"	"	1		30.08	71	67	65		"	"	6	"	
11	"		"	"	1		30.08	71	67	65		"	"	6	"	
Mid.	"		"	"	1		30.08	71	67	65		"	"	6	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	325	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1925	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	110 " 636	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy;

Sunday, January 14th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty. Light breze from S.S.E. Barometer steady. Aneroid barometer 29.96.

W.W. Smith Master

4 to 8 A.M. Weather pleasant. Barometer rising. Light breze from E.S.E and S.S.E. Clouds cirro-cumulus and ~~numbers~~. Recived on board for crew 107 lbs fresh beef, 107 lbs of vegetables and 85 loaves of bread. At 7.30 made signal No 3350. Aneroid barometer 30.02.

Wm C Rush 2d Lieut.

8 A.M to Meridian. Weather foggy and misty. Light airs from S.S.E. Barometer steady. Mustered at quarters at 9.50. Aneroid at end of watch 30.00

Lieut

Meridian to 4 P.M. Weather pleasant. Light breze from S.S.E. The French ironclad "Montcalm" got underway and left the harbor at 12.35. Aneroid barometer 30.00.

W.W. Smith

Master

4 to 8 P.M. Weather clear and pleasant. Gentle breze from S.S.E. Barometer steady. At 6.00 made signal. No. 2985. Aneroid at end of watch 29.99.

Lieut

8 P.M to Midnight, Cloudy and pleasant. Light breze from S.S.E. Barometer rising. Aneroid barometer 30.00.

W.W. Smith Master

Moon's mid Dec 8°.9'.50" N. Phase. 1st Quarter

Examined and found to be correct.

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.04	71	67	65		bcm	Cir Cumo	7	8	
2	"		"	"	1		30.02	70	67	65		"	"	7	"	
3	"		"	"	1		30.01	69	67	65		"	"	7	"	
4	"		"	"	1		30.01	68	67	65		"	"	6	"	
5	"		"	"	1		30.00	66	66	63		"	"	6	"	
6	"		ESE.	ESE	1		30.06	66	65	63		"	"	7	"	
7	"		"	"	1		30.07	66	66	64		"	"	7	"	
8	"		SE.	SE	1		30.08	68	67	65		"	"	7	"	
9	"		"	Calm	0		30.08	70	70	67		bc	"	6	"	
10	"		S.	S	1		30.09	70	70	67		"	"	6	"	
11	"		"	"	1		30.09	70	70	66		"	Cir Cumo Strs	6	"	
Noon.	"		SxW	SxW.	1		30.07	70	69	66		"	Cir Cumo	6	"	

P. M.																
1	"		SW	SxW	1		30.05	70	69	66		bc	Cir cumo	6	"	
2	"		"	"	1		30.03	70	69	66		"	"	6	"	
3	"		"	"	1		30.03	71	69	66		"	"	6	"	
4	"		"	"	1		30.01	71	69	66		"	"	6	"	
5	"		SxE.	SxE	2		30.01	72	70	67		"	"	6	"	
6	"		"	"	2		30.00	72	68	66		"	"	7	"	
7	"		"	"	2		30.01	71	67	65		"	Cir Cumo	7	"	
8	"		"	"	2		30.04	72	68	66		"	Cir	8	"	
9	"		"	"	1		30.08	70	67	66		"	"	8	"	
10	"		"	"	1		30.10	70	67	65		"	"	8	"	
11	"		SSE	SSE.	1		30.10	70	67	65		"	"	8	"	
Mid.	"		"	"	1		30.10	70	67	65		"	Cir cumo	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 325 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1600 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 110 " 336 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McComick, U. S. Navy;

Monday. January 15th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light breeze from S.S.E. Aneroid 29.95
Wainwright-Kellogg
1st Lieut

4 to 8 A.M. Weather clear and pleasant. Light airs from S. and E. Foggy and misty about the horizon. Made signal 3350 at 7.30. At 7.35 made preparatory signal 5455. At 7.45 made 5455 and loosed sail. Aneroid at end of watch 30.00.
1st Lieut

8 A.M. to Meridian. Clear and warm. Light airs from South to S by W remainder of watch. Went to quarters at 9.30 and inspected the crew. Exercised all divisions at small arm target practice. Getting 2d whale boat ready for painting. Aneroid barometer 29.94
Master.

Meridian to 4 P.M. Clear and pleasant. Light breeze from S by E. Barometer falling slowly. Made signal 2984 at 3.20. At 12. the Chilian Flagship "Blanco Encalada" fired a salute of 21 guns. Aneroid at end of watch 29.94.
Wainwright-Kellogg

1st Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S by E. Went to quarters at 4.45 and mustered the crew. Unbent main trysail and stowed it below. A small Chilian gunboat came in at 6.30. At sundown a salute of 21 guns was fired from fort ashore. Aneroid barometer 29.98.
Master

8 P.M. to Midnight. Clear. Pleasant. Moonlight. Light airs from S.S.E. Aneroid 30.00.
Wainwright-Kellogg

1st Lieut

Moon's mid Dec 15° 26' 20" N.
Phase. 1st Quarter

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.																
Anchored			S E	S E	1		30.02	69	66	65		bo	Cir cumu	6	8	
2	"		"	"	1		30.02	69	66	65		"	"	6	"	
3	"		"	"	1		30.02	69	66	65		"	"	8	"	
4	"		"	"	1		30.02	69	66	65		"	"	8	"	
5	"		"	"	2		30.01	68	67	65		"	"	3	"	
6	"				1		30.02	68	67	65		"	"	4	"	
7	"		S S E	S S E.	1		30.03	68	67	65		"	"	4	"	
8					1		30.05	68	67	65		"	"	5	"	
9	"		S S W	S S W.	1		30.08	69	68	66		"	"	7	"	
10	"		S S E.	S S E	1		30.08	70	69	67		"	"	7	"	
11	"		"	S.	1		30.05	70	69	67		"	"	7	"	
Noon.	"		"	"	1		30.05	70	69	67		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1250 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 110 " 36 "

P. M.															
1	"		S S E	S S E	1		30.05	71	71	69		bc	Cir cumu	5	"
2	"		S x E	S x E	1		30.05	71	71	69		"	"	5	"
3	"		"	"	2		30.03	71	71	69		"	"	5	"
4	"		"	"	2		30.00	71	70	69		"	"	4	"
5	"		S S E	S S E.	2		30.00	71	70	69		"	"	4	"
6	"		"	"	2		30.00	71	70	68		"	Cir Cumu Strmus	2	"
7	"		"	"	2		30.00	71	70	68		"	"	2	"
8	"		"	"	2		30.04	71	70	68		"	"	2	"
9	"		"	"	2		30.06	70	67	65		oc	"	0	"
10	"		"	"	2		30.06	70	67	65		"	"	0	"
11	"		"	"	2		30.06	70	67	65		bc	"	1	"
Mid.	"		"	"	1		30.05	70	67	65		"	"	1	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday, 16th January, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear pleasant weather, Bright starlight. Light airs from S.E. Barometer steady. Aneroid 29.96.

H. O. Dunn. Ensign.

4 to 8 A.M. Cloudy and cool. Light breeze varying from S.E to S.S.E. A Chilian transport came in at 7h and dropped anchor. Received on board for use of ships company 107 lbs fresh beef 107 lbs of vegetables and 85 lbs of bread, Aneroid barometer 29.98. At 7.30 made signal 3350.

W. M. Simms Master

8 to Meridian. Clear and warm, Light breeze from S.S.E. At 9.30 went to general quarters and exercised divisions. By order of Commanding Officer released L. F. Schuman, QMG from confinement Boarded the Chilian gunboat "Pilcamayo". Aneroid 29.98.

Wainwright-Kellogg Lieut

Meridian to 4 P.M. Cloudy but pleasant. Light airs and breeze from S.S.E and S.by E. Barometer falling. Aneroid 29.95. At 12.25 the Chilian ironclad "Blanco Encalada" left the harbor. At 1.50 an officer of the "Pilcamayo" paid an official visit on board.

H. O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, Light breeze from S.S.E. At 4.45 mustered at quarters. At 6.15 made signal 1087, at 6.23 made signal 2985. At 6.25 "Iroquois" made signal 4363. Aneroid 29.98.

Wainwright-Kellogg Lieut

8 P.M to Midnight. Overcast and cloudy. Light breezes and airs from S.S.E. Barometer steady. Aneroid 30.00.

H. O. Dunn. Ensign

Moon's mid Examined and found to be correct.
Dec 15° 57' 46" N
Phase. Full moon

W. H. Turner Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	1		30.06	70	68	66		bc	Cir cum Strats	4	S.	
2	"		"	"	1		30.06	70	68	66		"	"	6	"	
3	"		"	"	1		30.06	69	68	66		"	"	2	"	
4	"		SE.	SE.	1		30.05	69	67	66		oc	Cirro Strat	0	"	
5	"		SSE.	SSE	1		30.05	69	67	65		ocm	"	2	"	
6	"		"	"	1		30.05	69	67	65		"	"	4	"	
7	"		"	"	1		30.06	69	67	65		"	"	3	"	
8	"		"	"	1		30.08	69	67	65		"	"	2	"	
9	"		"	"	1		30.09	70	69	66		"	Cirrus	4	"	
10	"		"	"	1		30.10	71	71	68		"	"	3	"	
11	"		"	"	1		30.10	72	71	68		"	"	0	"	
Noon.	"		"	Calm.	0		30.10	73	71	68		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	325	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	925	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	109 " 1976	"	

P. M.																
1	"		SSE.	SSE.	1		30.06	72	72	68		bc	Cir cum	7	"	
2	"		"	"	1		30.04	73	72	68		"	"	7	"	
3	"		"	S.	2		30.02	73	72	68		"	"	7	"	
4	"		"	"	3		30.02	73	71	68		"	"	7	"	
5	"		"	SSE.	4		30.02	72	68	66		"	Cir cum Strats	2	"	
6	"		SE×S	SE×S	2		30.02	71	67	65		ocm	Cumulus	0	"	
7	"		SSE.	SSE	2		30.02	70	66	65		ofd	None	0	"	
8	"		"	"	1		30.02	70	66	65		"	"	0	"	
9	"		"	"	1		30.04	71	68	66		bcm	Cir cum	8	"	
10	"		"	"	2		30.06	71	67	66		"	"	8	"	
11	"		"	"	2		30.06	70	67	66		"	"	7	"	
Mid.	"		"	"	1		30.04	70	67	66		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, January 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Light breeze from S.S.E. Barometer steady. Cirro-cumulus and numbus clouds. Aneroid barometer 29.98.

Hard Robbins, Lieut

4 to 8 A.M. Cloudy. Pleasant, Light airs from S.S.E. At 5m "Iroquois" made signal 3004. Answ'd 904. At 6m loosed sail. Aneroid 30.04.

Wainwright-Kellogg USN Lieut

8 A.M. to Meridian. Cloudy but warm and pleasant weather. Light airs from S.S.E. Barometer rising slowly. Aneroid 30.00. At 9.30 inspected and mustered at quarters. Drilled divisions as per routine. At 10.45 Commanding Officer of the Chilian gunboat "Pilcamayo" paid an official visit on board. At 11m furled sail.

H.O. Dunn Ensign

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light to gentle breeze from S.S.E. At 12.10 made our numbers which was responded to by the "Hartford" with her numbers. The "Hartford" came in and anchored at 1.30. at which time we sent a boat to her with her mail. The Captain visited the "Hartford" officially and afterwards the Chilian gunboat "Pilcamayo". The port watch of apprentices had instructions in Geography and History by the schoolmaster. Aneroid barometer 29.93. Hauled down Senior Officer's pennant when the "Hartford" made her numbers.

Hard Robbins, KR Lieut

4 to 8 P.M. Overcast cloudy and misty first part with thick fog and light drizzling rain last part of watch. Moderate breeze to light airs from S.S.E. Barometer steady. Aneroid 29.98. At 4.45 mustered at quarters. At 5m made general signal (Int) to "Hartford" which was answered by 904. At 6.25 "Hartford" made general signal (Prep.) 6070. Sent down royal yards.

H.O. Dunn Ensign

8 P.M. to Midnight. Weather pleasant, Light breeze from S.S.E. Barometer steady. Cirro-cumulus clouds. Aneroid barometer 30.00

Hard Robbins, Lieut

Moon's Mid Dec 18° 33' 00" N.
Phase. Full moon

Examined and found to be correct.

W. H. T. Capehart
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.06	69	66	65		oc	cum/nmb	0	S.	
2	"		"	"	2		30.01	69	66	65		ocmb.	"	0	"	
3	"		"	"	1		30.01	69	66	65		"	"	0	"	
4	"		"	"	1		30.01	69	66	65		ocm	"	0	"	
5	"		"	Calm	0		30.03	68	66	65		"	nmb	0	"	
6	"		"	"	0		30.05	68	66	65		"	"	0	"	
7	"		"	SSE.	0-1		30.08	68	66	65		"	"	0	"	
8	"		"	Calm	0		30.10	68	67	65		"	"	0	"	
9	"		S.	"	0		30.10	70	67	65		"	"	0	"	
10	"		"	"	0		30.12	70	67	65		bc	"	2	"	
11	"		"	SSW.	1		30.12	70	70	65		"	air cum / cum	4	"	
Noon.	"		"	"	1		30.10	70	70	68		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 575 "

Coal consumed during the preceding 24 hours tons 400 lbs.

Coal remaining on hand at Noon 109 " 1276 "

P. M.																
1	"		SxW	SSW	1		30.10	70	70	68		bc	cir cum	5	"	
2	"		"	SSE.	1		30.10	72	71	68		"	"	6	"	
3	"		"	"	1		30.08	74	73	69		"	"	7	"	
4	"		"	"	1		30.08	75	74	70		"	"	7	"	
5	"		SSE.	"	1		30.08	75	73	69		"	"	7	"	
6	"		"	"	1		30.09	70	71	68		"	"	7	"	
7	"		"	"	2		30.10	74	70	67		"	"	7	"	
8	"		"	"	2		30.10	70	69	68		"	"	7	"	
9	"		"	"	2		30.10	73	69	68		bcm	"	5	"	
10	"		"	"	2		30.10	73	69	68		"	"	4	"	
11	"		"	"	2		30.10	72	69	68		"	"	6	"	
Mid.	"		"	"	2		30.10	70	69	68		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. B. McCormick, U. S. Navy,

Thursday, January 18th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Weather clear and pleasant. Light airs from S^d and E^d. Barometer steady. Aneroid at end of watch 29.99.

C P Kerr Lieut.

4 to 8 AM. Overcast cloudy and misty. Calms and light airs from S S E. Barometer rising. Aneroid 30.02.

J Hamm Ensign.

8 AM to Meridian. Weather pleasant though somewhat hazy. Light breze from S S W. in latter part of watch. Barometer steady. At 9.30 mustered and inspected crew at quarters: exercised 1st 3d and Masters divisions at single sticks. Powder division at stations and 2d divisions at small arms. By order of Commanding Officer released Henry Davies (OS) from confinement. Aneroid barometer 30.02.

J and Rohrer Lieut

Meridian to 4 PM. Clear and warm. Light breze from S^d and E^d. Barometer steady. Received an official visit from Commanding Officer of U S S "Hartford" Received in Construction Department 30 galls. of Alcohol. 40 lbs of Shellac. Made signal (int.) 3918. "Hartford" answ^d 9044 Aneroid 29.98.

C P Kerr C.M. Lieut

4 to 8 PM. Weather clear and pleasant. Barometer rising. Cirro-cumulus clouds. Light breze from S S E. At 4.45 mustered at quarters and turned in clear hammocks. At 4.05 "Hartford" made signal No 2373 answ^d and at 6.25 she made signal No 2985. Aus. Aneroid barometer 29.98.

J and Rohrer Lieut

8 PM to Midnight. Weather partly cloudy and pleasant. Light breze from S S E. Barometer steady. Aneroid 30.02.

C P Kerr C.M. Lieut

Moon's mid Dec 20° 2' 30" N.
Phase. Full moon

Examined and found to be correct.

W. T. Gaskin
Lieut U S N Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A.M.																
Anchored	SSE		SSE	2			30.08	70	67	66		bc	circum	5	S	
2	"		"	"	2		30.08	70	67	66		"	"	5	"	
3	"		"	"	1		30.06	69	67	66		oc d f	none	0	"	
4	"		"	"	1		30.05	68	67	66		"	"	0	"	
5	"		"	"	1		30.05	69	66	64		"	"	0	"	
6	"		"	"	1		30.04	69	66	64		"	"	0	"	
7	"		"	"	1		30.08	68	66	65		"	"	0	"	
8	"		"	"	1		30.10	69	66	65		"	"	0	"	
9	"		"	"	1		30.10	70	67	66		bcm	circum	2	"	
10	"		"	"	1		30.10	70	69	67		"	"	3	"	
11	"		S.	S.	1		30.10	72	70	68		bc	circum & cir cumc	6	"	
Noon.	"		"	"	1		30.10	72	70	68		"	"	7	"	

Distance run by Log since preceding Noon ... knots ... fathoms.

Latitude by D. R. at Noon ... ° ' "

Longitude by D. R. at Noon ... ° ' "

Latitude by Observations at Noon ⊙ ... ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ... ° ' "

Current during the time ... knots ... fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ... ° ' "

Variation of the Compass by Azimuth ⊙ observed at ... ° ' "

Water expended during the preceding 24 hours ... 350 gallons.

Water ... during the preceding 24 hours ... "

Water remaining on hand fit for use at Noon ... 275 "

Coal consumed during the preceding 24 hours ... tons 600 lbs.

Coal remaining on hand at Noon ... 109 " 976 "

P.M.																
1	"		S	S.	1		30.05	73	70	68		bcm	circum	7	"	
2	"		"	"	2		30.05	73	70	68		"	"	7	"	
3	"		"	"	2		30.05	73	70	68		"	"	7	"	
4	"		SSE.	SSE.	2		30.05	73	70	68		"	"	3	"	
5	"		"	"	2		30.05	74	70	67		"	"	2	"	
6	"		SE.	SE.	2		30.05	74	69	66		"	cir cumu & strat	2	"	
7	"		"	"	2		30.05	73	68	66		"	"	4	"	
8	"		"	"	1		30.07	73	68	66		"	"	5	"	
9	"		SE×S.	SE×S.	1		30.10	71	68	66		bc	circum	8	"	
10	"		"	"	1		30.10	71	68	66		"	"	8	"	
11	"		"	"	2		30.10	71	68	66		"	"	8	"	
Mid.	"		"	"	2		30.09	71	68	66		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ... ° ' "

Longitude by Chronometer from Observations * ... ° ' "

Variation of the Compass by Amplitude ... observed at sunset ... ° ' "

Variation of the Compass by ... at ... ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. January 19th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Clear and pleasant first part, overcast and foggy with very light drizzling rain latter part of watch. Light airs from S.S.E. Aneroid barometer 29.98.

W.H. Emmons
Master

4 to 8 A.M. Overcast and foggy. Barometer rising. Light airs from S.S.E. Aneroid barometer 30.02.

Karl Rohde
Lieut

8 A.M. to Meridian. Weather overcast and foggy at beginning of watch, clearing up latter part, Light airs from S.S.E. Barometer steady Aneroid 30.00.

Lieut

Meridian to 4 P.M. Pleasant weather. Light breeze from South to S.S.E. At 3.25 "Hartford" made signal 'general' 2984. Answered. At 3.30 made signal (int.) 4561. "Hartford" answered 904. Made preparations for distilling. At 3.41 "Hartford" made signal 6009. Answ- and made signal 4561. "Hartford" answered 904. Aneroid barometer 29.96. Discharged Ah Choy. 'W.R. Cook.'

W.H. Emmons
Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.S.E. Barometer rising. Commenced distilling. At 4.50 the "Hartford" made signal 2872. Sent boat for mail. Aneroid at end of watch 30.00

Lieut

8 P.M. to Midnight. Pleasant weather. Bright moonlight. Light breeze from S.E. by S. The Chilian ironclad "Huascar" came in and anchored at 9.30. Aneroid barometer 30.00.

W.H. Emmons
Master

Moon's mid Dec 20° 02' 30" N
Phase. Full moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			SSE.	SSE	1		30.09	70	68	65		bcm	Cicumo	5	S	
2	"		"	"	1		30.04	70	68	65		"	"	5	"	
3	"		S.E.	SE.	1		30.02	70	68	65		"	"	5	"	
4	"		"	"	1		30.02	70	68	65		"	"	4	"	
5	"		"	SE×S.	1		30.01	70	68	65		oc	Nimb	0	"	
6	"		"	"	1		30.01	70	68	65		"	"	0	"	
7	"		"	S×E.	1		30.01	70	68	65		"	"	0	"	
8	"		"	"	1		30.01	70	68	65		"	"	0	"	
9	"		SSE.	SSE.	1		30.06	70	69	66		bcm	Cicumo	1	"	
10	"		S.	S.	1		30.06	71	69	67		"	"	4	"	
11	"		"	"	1		30.05	72	69	67		"	"	4	"	
Noon.	"		SSE	"	1		30.05	72	70	68		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	2575	"	
Water remaining on hand fit for use at Noon	2500	"	
Coal consumed during the preceding 24 hours	2 tons	1720	lbs.
Coal remaining on hand at Noon	106 "	1496	"

P. M.																
1	"		S×E.	S×E.	1		30.02	72	71	68		bo	Ci cumo	1	"	
2	"		"	"	1		30.00	73	71	68		"	"	2	"	
3	"		"	"	1		30.00	73	71	68		"	"	4	"	
4	"		SSE	SSE.	1		30.00	74	71	69		"	"	4	"	
5	"		"	"	1		30.01	73	71	69		bcmu	Ci Cumo Stumb	1	"	
6	"		"	"	1		30.01	73	71	69		"	"	1	"	
7	"		"	"	1		30.03	73	71	69		"	"	2	"	
8	"		"	"	1		30.06	71	69	68		"	"	2	"	
9	"		"	"	1		30.07	71	69	68		"	"	1	"	
10	"		"	"	1		30.07	71	69	68		"	"	1	"	
11	"		"	"	1		30.06	71	69	68		"	"	1	"	
Mid.	"		"	"	1		30.04	70	69	68		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, January 20th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Hazy. Pleasant. Light breze from S.S.E. Aneroid 29.96. Distilling.
Wainwright Kellogg
WOK Lieut

4 to 8 A.M. Partly cloudy and pleasant. Light airs from S.E. and E. Barometer steady. The "Hartford" made signal 3365 at 7.30 Aneroid at end of watch 29.98.
C.F. Rose Lieut

8 A.M to Meridian, Cloudy and warm. Light breze from S.S.E. hauling to S. Went to quarters at 9.30 and inspected the crew. At 8.15 "Hartford" fired a salute of 11 guns with Chilian flag at the fore. At 9.15 the Chilian corvette "Pilcamayo" fired a salute of 13 guns with the American flag at the fore. Distilling. Aneroid bar 29.96.
W.W. Irwin Master

Meridian to 4 P.M. Clear and pleasant. Light breze from S by E. Stopped distilling at 3. Aneroid 29.96.
Wainwright Kellogg WOK Lieut

4 to 8 P.M. Pleasant weather. Light breze from S.S.E. Went to quarters at 4.45 and mustered the crew. Aneroid barometer 29.96.
W.W. Irwin Master

8 P.M to Midnight, Hazy. Pleasant. Light breze from S.S.E. Moonlight Aneroid barometer 29.96.
Wainwright Kellogg
WOK Lieut

Moonlight
Dec 19° 34' 20
Phase, Full.

Examined and found to be correct.

W. H. Parker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E.	S.E.	1		30.02	70	68	67		bc	Cir Cumb	5	8	
2	"		"	"	1		30.00	70	68	67		"	"	2	"	
3	"		S.E×S.	S.E×S.	1		30.00	70	68	67		bcm	"	1	"	
4	"		"	"	1		30.00	70	68	67		"	"	2	"	
5	"		"	"	1		30.00	70	68	67		"	"	2	"	
6	"		"	"	1		30.00	70	68	67		"	"	2	"	
7	"		"	"	1		30.03	70	68	67		0 Cus	"	0	"	
8	"		"	"	1		30.05	70	68	67		bcm	"	1	"	
9	"		SSE.	SSE	1		30.09	71	70	68		bc	Cir Cumb	4	"	
10	"		"	"	1		30.10	72	70	69		"	"	4	"	
11	"		"	"	1		30.10	72	71	70		"	"	4	"	
Noon.	"		"	"	1		30.08	71	70	69		"	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water distilled during the preceding 24 hours	500 "		
Water remaining on hand fit for use at Noon	2650 "		
Coal consumed during the preceding 24 hours	tons 900 lbs.		
Coal remaining on hand at Noon	106 " 596 "		

P. M.																
1	"		S×E	S×E	1		30.08	73	71	70		bc	Cir Cumb	7	"	
2	"		"	"	1		30.06	73	72	71		"	"	8	"	
3	"		SSE	SSE	1		30.04	74	73	72		"	"	6	"	
4	"		"	"	1		30.04	74	73	72		"	"	4	"	
5	"		"	"	1		30.05	74	73	72		"	"	4	"	
6	"		"	"	1		30.05	74	73	72		"	"	4	"	
7	"		"	"	1		30.05	74	73	72		0 cm	"	0	"	
8	"		"	"	1		30.05	74	73	72		bcm	"	1	"	
9	"		S.E.	SE	1		30.06	72	69	68		"	"	1	"	
10	"		"	"	1		30.08	72	68	67		"	"	1	"	
11	"		SSE	SSE	1		30.08	71	68	67		"	"	1	"	
Mid.	"		"	"	1		30.08	74	68	67		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. January 21st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant weather, misty last part, Light airs from S.E. and S.S.E by S. Barometer steady. Aneroid 29.94

H.O. Dunn. Ensign.

4 to 8 A.M. Cloudy and cool. Light airs from S.E. by S. At 7.30 "Hartford" made signal 3351. Answered. Received on board for use of crew 107 lbs fresh beef and vegetables and 85 loaves of bread, Aneroid barometer at end of watch 29.98.

Wm Lamson
Master

8 A.M. to Meridian. Cloudy. Pleasant, Light breeze from S.S.E. At 9.30 mustered at quarters. Commanding Officer inspected ship and crew. Aneroid 29.98.

Wainwright Kellogg
1st Lieut

Meridian to 4 P.M. Weather clear and warm. Light breeze from S.S.E. and S. by E. Sent visiting party to USS "Hartford." Barometer falling. Aneroid 29.94.

H.O. Dunn. Ensign

4 to 8 P.M. Cloudy. Pleasant, Light breeze from S.S.E. Aneroid 30.01.

Wainwright Kellogg
1st Lieut

8 P.M. to Midnight, Weather cloudy and misty. Light airs from S.E. and S.S.E. Barometer steady. Aneroid 30.02.

H.O. Dunn. Ensign

Moon's mid Examined and found to be correct.
Dec 17° 44' 20" N.
Phase. Full.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	S	1		30.08	71	68	67		bc	circum	4	S	
2	"		"	"	1		30.06	70	68	67		"	Cir	9	"	
3	"		"	"	1		30.05	70	68	67		oc	Cum Nimb	0	"	
4	"		"	"	2		30.05	70	68	67		"	"	0	"	
5	"		"	"	1		30.05	70	68	67		bcm	"	2	"	
6	"		"	"	1		30.05	70	68	67		"	"	4	"	
7	"		"	"	1		30.06	70	68	67		"	"	4	"	
8	"		"	"	1		30.06	70	68	67		"	"	4	"	
9	"		S S E	S S E.	1		30.10	71	69	68		bc	circum	6	"	
10	"		"	"	1		30.10	72	69	67		"	"	8	"	
11	"		"	"	1		30.10	73	71	68		"	"	8	"	
Noon.	"		"	"	1		30.10	73	72	69		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 106 " 296 "

P. M.															
1	"		S	S	1		30.08	74	72	70		ocm	Cir cum	0	"	
2	"		"	"	1		30.06	74	72	70		bcm	"	3	"	
3	"		"	"	1		30.05	74	72	70		ocf	"	0	"	
4	"		S x E	S x E	2		30.04	70	71	69		"	"	0	"	
5	"		S S E.	S S E	1		30.06	72	69	67		bc	"	5	"	
6	"		"	"	1		30.08	72	69	67		"	Cum Nimb	2	"	
7	"		"	"	1		30.08	71	68	66		"	Cir strat	1	"	
8	"		"	"	1		30.06	71	68	66		"	Cir cum	4	"	
9	"		"	"	1		30.08	71	69	67		"	"	2	"	
10	"		S x E	S x E	1		30.10	72	69	67		"	"	3	"	
11	"		"	"	1		30.10	72	69	67		"	"	3	"	
Mid.	"		"	"	1		30.10	71	69	67		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, January 22d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light breze from S.E. Barometer falling. Clouds cirro-cumulus and nimbus and cirrus. Anveroid barometer 29.98.

Karl Rohrer USR Lieut

4 to 8 A.M. Cloudy. Pleasant. Light airs from S.E. Anervid 30.00.

Warrington W. Kellogg USN Lieut

8 A.M to Meridian. Clear and warm. Light airs from S & E. Barometer steady. Anervid 30.00. Abg.3d mustered and inspected at quarters Drilled divisions as per routine. Absent without leave, A. H. Kain. (PM) Commanding Officer paid an official visit to the Chilian monitor "Huascar". At 11 2d Commanding Officer of the "Huascar" paid an official visit on board.

H. O. Dunn Ensign

Meridian to 4 PM. Weather pleasant but foggy. Light breze from S to S by E. Barometer falling. At 3. "Hartford" made signal. 29.84. Ans. Anervid barometer 29.85.

Karl Rohrer, Lieut

4 to 8 PM. Cloudy but pleasant weather. Light airs from S & E. Barometer steady. Anervid 30.00. At 4 45 mustered at quarters. At 5.00 the Italian Corvette "Archimedes" left the harbor.

H. O. Dunn, Ensign

8 PM to Midnight, Weather pleasant. Barometer rising. Light breze from S by E. Anervid barometer 30.01.

Karl Rohrer, Lieut

Moon's mid Examined and found to be correct.
Dec 15° 02' 40" N.
Phase. Full.

W. W. Brooks
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.	S	1		30.08	69	69	67		o cm	Cum & nimb	0	S.	
2	"		SSE.	SSE	1		30.06	69	69	67		"	"	0	"	
3	"		SSE	"	1		30.02	69	69	67		"	"	0	"	
4	"		S	S.	1		30.01	69	69	67		"	"	0	"	
5	"		"	"	1		30.01	69	68	66		"	"	0	"	
6	"		"	Calm	0		30.05	69	68	66		"	nimb	0	"	
7	"		"	"	0		30.08	69	68	66		of	None	0	"	
8	"		"	"	0		30.10	69	68	67		"	"	0	"	
9	"		"	"	0		30.10	70	68	67		"	"	0	"	
10	"		"	"	0		30.10	70	68	67		"	"	0	"	
11	"		WSW.	"	0		30.10	71	70	69		bcm	Circum	2	"	
Noon.	"		"	WSW.	1		30.10	71	70	69		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1950 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 108 " 2236 "

P. M.																
1	"		S & W.	S & W.	1		30.08	73	72	69		bcw	Circum	2	"	
2	"		"	S	1		30.07	73	72	69		"	"	2	"	
3	"		SSE.	S & E	1		30.05	73	71	68		"	"	2	"	
4	"		"	SSE.	1		30.04	73	71	68		"	"	2	"	
5	"		"	"	1		30.04	73	71	68		"	"	2	"	
6	"		"	"	1		30.06	72	69	67		"	"	2	"	
7	"		"	"	1		30.06	71	68	66		bc	"	4	"	
8	"		"	"	1		30.07	71	68	66		"	"	4	"	
9	"		"	"	1		30.08	71	68	66		"	"	4	"	
10	"		"	"	1		30.10	71	68	66		"	"	4	"	
11	"		"	"	1		30.10	71	68	66		bcf	"	2	"	
Mid.	"		"	"	1		30.10	71	68	66		ocf	None	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday, January 23d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light airs from S^e and E^d. Barometer falling. Aneroid 29.97.

[signature] Lieut

4 to 8 A.M. Overcast cloudy and misty first part, foggy latter part of watch. Light airs from South and calms. Barometer rising. Aneroid 30.00. Received in Pay Department 107 lbs of fresh beef and vegetables and 85 loaves of bread. At 7.30 "Hartford" made general signal 3351.

[signature] Ensign

8 A.M to Meridian. Weather pleasant though hazy and at times foggy. Cirro-cumulus clouds. Calm. Steady barometer. At 9.30 went to general quarters, and exercised the crew. A Board of Survey came on board and surveyed certain articles in Equipment Department of ship. Hoisted boiler into steam cutter. Aneroid 29.97.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather clear and pleasant. Light airs from S^e and E^d. Barometer falling. Aneroid 29.97.

[signature] Lieut

4 to 8 P.M. Weather pleasant. Barometer steady. Light breeze from S & E. Cirro-cumulus clouds. At 6.15 Hartford made signal No 2985. Answered. Two of the P.S.N. Co's steamers went to sea. Aneroid barometer 30.00.

Karl Rohrer Lieut

8 P.M. to Midnight. Weather cloudy and foggy. Light airs from S & E. Barometer falling. Aneroid 30.02.

[signature] Lieut

Moon 1 mi d. Examined and found to be correct.
Dec. 11° 11' 30" N
Phase, last quarter

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S & E	SSE	1		30.07	69	67	65		ofd	none	0	b	
2	"		"	"	1		30.06	69	66	65		"	"	0	"	
3	"		"	Calm	0		30.06	68	66	66		"	"	0	"	
4	"		"	"	0		30.07	68	66	66		"	"	0	"	
5	"		SSE.	SSE	1		30.06	69	67	65		"	"	0	"	
6	"		"	"	1		30.08	72	67	65		ocf	"	0	"	
7	"		"	"	1		30.10	73	66	65		"	"	0	"	
8	"		"	"	1		30.12	73	65	64		"	"	0	"	
9	"		"	"	1		30.12	72	66	65		bcf	circum	2	"	
10	"		"	"	1		30.12	72	67	66		"	"	2	"	
11	"		"	"	1		30.12	72	68	67		bc	"	4	"	
Noon.	"		"	"	1		30.10	72	69	68		"	circum & str	6	"	
P. M.																
1	"		SSE	SSE.	1		30.07	71	69	68		bc	circum	5	"	
2	"		"	"	1		30.07	72	69	68		"	"	5	"	
3	"		"	"	1		30.07	72	69	68		"	"	5	"	
4	"		"	"	1		30.05	73	69	68		"	"	5	"	
5	"		S & E	S & E	1		30.06	72	70	69		"	"	6	"	
6	"		"	"	1		30.07	73	70	69		"	"	3	"	
7	"		"	SSE	1		30.07	73	70	69		"	cirstrat	4	"	
8	"		"	"	1		30.08	73	69	69		"	"	4	"	
9	"		SE.	SE	1		30.10	72	68	67		"	circum	8	"	
10	"		"	"	1		30.10	71	68	67		"	"	2	"	
11	"		SSE	SSE	1		30.10	70	67	66		"	"	2	"	
Mid.	"		"	"	1		30.10	70	67	66		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 325 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1625 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 105 " 1936 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday. January 24th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and foggy with light drizzling rain. Light airs from S.S.E. and calms. Aneroid barometer 30.00

W.M. Master.

4 to 8 A.M. Weather foggy. Barometer rising. Light airs from S.S.E. Received on board for use of crew 107 lbs. fresh beef, 107 lbs. vegetables and 85 loaves of bread.

Harl Abercrombie Lieut.

8 A.M. to Meridian. Weather cloudy and foggy. Light airs from S.S.E. Barometer steady. Mustered at quarters at 9.30 and exercised the first division and Marine guard at small arms, second division at great guns, and third and Powder divisions at single sticks. At 10.00 made interrogatory signal 5455, the "Hartford" answered 9044. At 10.15 loosed sail. At 10.45 the "Hartford" made signal 2372. Aneroid at end of watch 30.02.

C. P. Rae Lieut.

Meridian to 4 P.M. Weather clear and warm. Light breeze from S.S.E. At 2.15 made signal (int.) 4826. At 2.20 called all hands and furled sail. At 3.30 "Hartford" made general signal 2984. At 3.30 piped down wash clothes. Aneroid 29.96.

W.M. Master

4 to 8 P.M. Weather partly cloudy and pleasant. Light airs from S. and E. Barometer steady. Mustered at quarters at 4.45. Aneroid at end of watch 30.00.

C. P. Rae Lieut.

8 P.M. to Midnight. Pleasant weather. Light airs from S.E. to S.S.E. At 9.19 exercised at fire quarters, all divisions ready in 3 min. 30 sec. Secured at 9.24. time 5 min. Aneroid barometer 30.02.

W.M. Master

Moon's mid. Examined and found to be correct.
Dec 7° 03' 26" N
Phase, Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.08	70	68	66		ocm	Circum	0	S.	
2	"		"	"	1		30.08	70	68	66		"	"	0	"	
3	"		"	"	1		30.05	69	65	64		ocmf	None	0	"	
4	"		"	"	1		30.05	69	65	64		"	"	0	"	
5	"		"	"	1		30.06	69	65	64		ofd	"	0	"	
6	"		"	"	1		30.06	69	65	64		"	"	0	"	
7	"		SE	SE.	1		30.07	69	65	64		ocm.	Circum	0	"	
8	"		"	"	1		30.07	69	65	64		"	"	0	"	
9	"		SSE	SSE.	1		30.10	68	68	64		bcm	"	2	"	
10	"		"	"	1		30.10	68	66	65		"	"	4	"	
11	"		"	"	1		30.10	69	66	64		"	"	4	"	
Noon.	"		"	"	1		30.08	69	67	64		"	"	6	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1275	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	105 " 1636	"

P. M.																
1	"		S×E	S×E	1		30.08	70	69	66		bcw	Circum	4	"	
2	"		"	"	1		30.06	70	69	66		f	None	0	"	
3	"		"	"	1		30.05	70	68	66		"	"	0	"	
4	"		"	"	1		30.05	70	68	66		bcw	Circum	2	"	
5	"		"	"	1		30.04	70	69	66		"	"	4	"	
6	"		SSE.	SSE.	2		30.04	70	69	66		"	"	4	"	
7	"		"	"	2		30.04	70	69	66		"	"	4	"	
8	"		"	"	2		30.04	70	69	66		"	"	4	"	
9	"		"	"	2		30.06	70	67	65		bc	"	4	"	
10	"		"	"	2		30.06	69	67	65		"	"	3	"	
11	"		"	"	2		30.06	69	66	65		"	"	0	"	
Mid.	"		"	"	2		30.05	69	67	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Thursday January 25th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Misty first hour, heavy fog remainder of watch. Light airs from S.S.E. Aneroid 30.00.

Wainwright-Kellogg 1st Lieut

4 to 8 A.M. Weather cloudy and foggy. Light airs from S. and E. Barometer rising. Got out steam launch. Aneroid 30.50. At 7.30 "Hartford" made signal 3351.

[illegible] 1st Lieut

8 A.M. to Meridian. Cloudy and misty. Light airs from S.S.E. Went to quarters at 9.30 after which exercised the divisions at the drills as per routine. Ah Hey (Stge Cook) was this day discharged from the ship and the U.S. Naval Service, at his own request. At 8.56 "Hartford" made signal 2350. Answd. Sent a boat in obedience to signal. Lieut Mackenzie, Lieut Rohrer and Master Irwin attended onboard the "Hartford" as members of Board of Survey on Equipment Dept of that ship. Aneroid barometer 30.00.

W.M. Irwin Master

Meridian to 4 P.M. Weather pleasant but foggy at intervals very heavy. Light breeze from S.E. Barometer falling slightly. Aneroid 29.95. Port watch of apprentices instructed in Arithmetic, Spelling, Geography and History of the United States.

Wainwright-Kellogg 1st Lieut

4 to 8 P.M. Cloudy and misty. Light breeze from S. by E. to S.S.E. Went to quarters at 4.45. At 6.30 "Hartford" made signal (general) 2985. Answd. An American barkentine came in and anchored. "Hartford" fired a salute of 15 guns to the American Minister at 4.15. Aneroid barometer 30.00.

W.M. Irwin Master

8 P.M. to Midnight. Clear and pleasant. Light breeze from S.S.E. Moonlight. Aneroid 30.00.

Wainwright-Kellogg 1st Lieut

Moon/mid Examined and found to be correct.

Dec 3° 49' 60. 76.

Phase Last quarter

W. F. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S & E.	S & E.	1		30.08	69	66	65		bc	cirs	9	S.	
2	"		"	"	1		30.08	69	66	65		bcw	circum	11	"	
3	"		S S E.	S S E.	1		30.08	68	66	65		ofd	none	0	"	
4	"		"	"	1		30.08	68	66	65		ocm	cum. nimbs	0	"	
5	"		"	"	1		30.08	68	66	65		"	"	0	"	
6	"		S E	Calm	0		30.06	68	66	65		"	"	0	"	
7	"		E S E.	"	0		30.05	68	66	65		"	"	0	"	
8	"		S E	"	0		30.05	68	66	65		"	"	0	"	
9	"		"	"	0		30.07	68	66	65		"	"	0	"	
10	"		"	"	0		30.08	69	68	67		bcf	cirs cum	3	"	
11	"		"	S & E.	1		30.09	70	68	66		bcw	"	3	"	
Noon.	"		"	"	1		30.09	70	68	66		"	"	3	-	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	365	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	910	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	105 " 1336	"	

P. M.																
1	"		S	S	1		30.08	70	69	66		bc	circum	4	"	
2	"		S S E	S S E.	1		30.06	70	69	66		"	"	4	"	
3	"		S	S	1		30.05	70	68	66		bcy	"	2	"	
4	"		S S E.	S S E	2		30.05	69	67	65		ocy	none	0	"	
5	"		"	"	1		30.05	69	67	65		ocm	"	0	"	
6	"		"	"	1		30.05	69	67	65		bc	circum gathered	2	"	
7	"		"	"	1		30.05	69	67	65		"	cum strs	5	"	
8	"		"	"	1		30.05	69	67	65		"	circum	7	"	
9	"		"	"	1		30.06	69	67	65		"	"	7	"	
10	"		"	"	1		30.06	69	67	65		"	"	7	"	
11	"		S E	S E.	1		30.07	69	66	65		"	"	8	"	
Mid.	"		"	"	1		30.07	69	66	65		bcm	"	11	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Friday, January 26th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Cloudy and misty with thick fog and light drizzling rain last part. Barometer steady. Light airs from S by E and S S E. Aneroid 29.98.

F. O. Dunn, Ensign

4 to 8 A.M. Overcast cloudy and misty. Light airs from S S E. and calms. Broke out fore peak and a portion of hold to get at bilges. At 7.25 "Hartford" made general signal 3351. Aneroid barometer 30.02.

W. W. Dennis Master

8 A.M. to Meridian. Cloudy. Foggy until 10 when fog lifted. Light airs from S by E and calms. At 9.30 mustered at quarters. Instructed signal clerk. Aneroid 30.00.

Wainwright-Kellogg for Lieut

Meridian to 4 P.M. Weather cloudy with haze, overcast last hour. Light airs and breezes from South and S S E. Barometer falling slowly. Aneroid 29.97. Sent a liberty party on shore. At 3.30 "Hartford" made general signal 2984.

F. O. Dunn, Ensign.

4 to 8 P.M. Clear and pleasant. Light breeze from S S E. At 4.45 mustered at quarters. By order of Commanding Officer confined Sandy Cuthanan, C. Steward, and P. Devaney, Seaman, in double irons for safe keeping for being drunk on board ship. Aneroid 30.00.

Wainwright-Kellogg for Lieut

8 P.M. to Midnight. Generally clear and pleasant, misty last hour. Light airs from S S E and S E. Barometer steady. Aneroid 30.00. Bright moonlight.

F. O. Dunn, Ensign.

Noon Inspection Examined and found to be correct.

Dec 0. 1906 J.

Phase Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord	SSE		SSE.	3		30.05	68	66	65		of	Nimb	0	S	
2	"		"	"	2		30.03	68	65	64		"	"	0	"	
3	"		"	"	2		30.01	68	65	64		"	"	0	"	
4	"		"	"	2		30.00	67	65	64		"	"	0	"	
5	"		"	"	1		30.00	67	65	65		"	—	0	"	
6	"		"	"	1		30.02	67	65	65		"	—	0	"	
7	"		"	"	0-1		30.04	67	66	65		"	—	0	"	
8	"		"	"	0-1		30.06	67	66	65		"	—	0	"	
9	"		"	"	1		30.04	68	66	65		of	None	0	"	
10	"		"	"	1		30.02	68	66	65		bcm	Cir cumu	8	"	
11	"		"	"	1		30.02	68	66	65		"	"	8	"	
Noon.	"		"	"	1		30.02	68	66	65		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 370 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 540 ".

Coal consumed during the preceding 24 hours — tons 800 lbs.

Coal remaining on hand at Noon — 105 " 536 "

P. M.															
1	"		S	S	2		30.02	71	70	67		be	Cir cumu	7	"
2	"		"	"	2		30.04	71	70	67		"	"	8	"
3	"		"	"	2		30.06	71	70	67		"	"	8	"
4	"		"	SxE.	2		30.07	73	70	67		"	"	8	"
5	"		SSE	SSE	1		30.10	72	70	67		"	"	8	"
6	"		"	"	1		30.10	72	68	66		"	"	8	"
7	"		"	"	2		30.10	70	68	66		"	"	4	"
8	"		"	"	2		30.12	71	68	66		"	"	4	"
9	"		"	"	2		30.04	71	68	66		bcm	"	1	"
10	"		"	"	2		30.05	70	68	66		"	Nimb Str	1	"
11	"		"	"	1		30.07	70	68	66		"	"	1	"
Mid.	"		"	"	1		30.07	69	67	65		"	"	1	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Saturday, January 27th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather foggy and damp, light to gentle breeze from S.S.E. Barometer falling. Aneroid barometer 29.96.

7 bells Robertson Lieut.

4 to 8 A.M. Calms with very light airs from S.S.E. Received on Pay Dept- 107 lbs of beef and vegetables and 85 loaves of bread. Very thick fog. Aneroid 30.00.

Wainwright-Kellogg

8 A.M. to Meridian. Overcast and foggy first hour clearing with light mist latter part. Light airs from S.S.E. Barometer falling slowly. Aneroid 29.96. At 9.30 inspected at quarters. At 9.20 "Hartford" made general signal 3077 and at 10.00 general signal 3351. By order of Commanding Officer awarded the following punishments. viz: Wm Simpson O.S. 2d Class five days extra duty for skulking and two days for not cleaning brightwork, Peter Devaney (Sds') 3 days double irons for being drunk on board and Sandy Buchanan (C. Steward) for being drunk on duty, five days solitary confinement on bread and water. Half masted colors with the "Iroquois" for a funeral party from that ship.

W. O. Dunn, Ensign

Meridian to 4 P.M. Weather pleasant. Light breeze from South Cirro-cumulus clouds. Barometer rising. A Chilian steamer came in and anchored astern of us. Aneroid barometer 29.90.

7 bells Robertson, Lieut

4 to 8 P.M. Clear pleasant weather, cloudy last part, light light airs and breezes from S.S.E. Barometer steady. Aneroid 29.98. At 4.46 mustered at quarters. At 4.50 the "Iroquois" was put in quarantine by the "Hartford" for having yellow fever on board.

W. O. Dunn, Ensign

8 P.M. to Midnight- Weather pleasant. Barometer rising. Cirro-cumulus, nimbus and stratus clouds. Light breeze from S.S.E. At 9.50 "Iroquois" got underway and stood out of the harbor. At 10.20 signaled by wind signals. Telegraphic No 272 to "Iroquois" Aneroid barometer 29.99.

7 bells Robertson Lieut

Moon 1 mid

Dec. 4° 24' 26" S

Phase, Last quarter

Examined and found to be correct.

W. H. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S x E	S x E	1		30.05	69	68	66		ofd.	None	0	S	
2	"		"	SE.	1		30.04	69	68	66		"	"	0	"	
3	"		"	"	1		30.04	69	68	66		ocm	Circum	0	"	
4	"		"	"	2		30.02	69	68	66		"	"	0	"	
5	"		SSE	SSE	1		30.03	69	68	66		"	"	0	"	
6	"		SE	"	1		30.03	68	68	66		"	"	0	"	
7	"		ESE	SE	1		30.05	69	68	66		bc	"	1	"	
8	"		"	"	1		30.06	69	68	66		"	"	2	"	
9	"		SE.	"	1		30.06	69	69	67		"	"	1	"	
10	"		"	"	2		30.06	69	69	67		bcm	"	2	"	
11	"		SSE	SSE	2		30.04	70	69	67		"	"	5	"	
Noon.	"		S	S	2		30.02	70	67	66		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 1290 "

Coal consumed during the preceding 24 hours 1 tons 260 lbs.

Coal remaining on hand at Noon 104 " 276 "

P. M.																
1	"		S	S	2		30.00	71	69	67		bcm	Circum	2	"	
2	"		SSE	SSE	2		29.97	71	69	67		"	"	2	"	
3	"		"	"	2		29.96	71	69	67		bcm	"	5	"	
4	"		"	"	2		29.96	71	69	67		"	"	5	"	
5	"		"	"	2		29.96	73	69	66		"	"	11	"	
6	"		"	"	2		29.96	73	69	66		bc	"	11	"	
7	"		"	"	2		29.98	72	68	66		"	Circum Cirrus	8	"	
8	"		"	"	1		29.98	72	68	66		"	"	5	"	
9	"		"	"	1		30.00	71	68	66		pcd	Numb	0	"	
10	"		"	"	1		30.00	69	68	66		"	"	0	"	
11	"		"	"	1		30.00	69	68	66		"	"	0	"	
Mid.	"		"	"	1		30.00	69	68	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. January 28th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and foggy. Light airs from S.E. and E.S.E. Barometer falling. Aneroid at end of watch 29.90.

C. Rees Lieut

4 to 8 A.M. Overcast cloudy and misty, clearing a little last part light airs from S.S.E. and S.E. Barometer rising slowly. Aneroid 29.98 At 5.20 hoisted smokestack and started fires in port forward boilers. Commenced distilling at 7.15. At 7.30 "Hartford" made general signal 3357. Received on board in Pay. Dept 107 lbs of fresh beef and vegetables and 83 loaves of bread.

H. O. Dunn. Ensign.

8 A.M to Meridian. Weather pleasant, light breeze from S.E to S.S.E. Barometer steady. Cirro-cumulus clouds. At 9.30 the Commanding Officer inspected the ship and the crew at quarters. W. Winchester (C.B.M.) is discharged from the Naval Service of the U.S. this day his term of service having expired. Aneroid barometer 29.94. Distilling water. Enlisted for cruise. special service, Peter Gibson (Ldsm)

Ward Nichols Lieut

Meridian to 4 P.M. Weather clear and warm. Light airs from S.E. and E.S.E, Barometer falling. Aneroid 29.98. Distilling.

C. Rees Lieut

4 to 8 P.M, Weather pleasant, Barometer steady. Clouds cirro-cumulus and stratus. Light breeze from S.S.E. At 5.45 "Hartford" made signal No 2985, Aneroid barometer 29.92.

Ward Nichols Lieut

8 P.M to Midnight, Weather overcast with light drizzling rain. Barometer steady, Aneroid at end of watch 29.92. Distilling.

C. Rees Lieut

Moon's mid
Dec 8° 19' 00" S.
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		29.98	69	68	66		ocd	nimb	0	S	
2	"			"	1		29.96	69	68	66		"	"	0	"	
3	"		SE×E.	SE×E.	1		29.96	69	68	66		"	"	0	"	
4	"		SSE.	SSE.	1		29.94	69	68	66		"	"	0	"	
5	"		"	"	1		29.94	69	68	66		ocfd	"	0	"	
6	"		S×E.	Calm	0		29.96	69	68	69		"	"	0	"	
7	"		"	"	0		29.98	69	68	69		ocm	"	0	"	
8	"		W.	"	0		30.00	69	68	69		"	"	0	"	
9	"		W.NW	"	0		30.02	69	69	67		bcm	cir cum	1	"	
10	"		"	"	0		30.02	70	69	67		"	"	1	"	
11	"		"	W.	1		30.02	70	69	67		"	"	3	"	
Noon.	"		S	SSW.	1		30.00	70	70	68		bc	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 1910 "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — 2 tons 2020 lbs.

Coal remaining on hand at Noon — 101 " 496 "

P. M.																
1	"		South	South	1		29.98	72	71	68		bo	cir cum	6	"	
2	"		"	"	1		29.98	72	71	68		"	"	3	"	
3	"		"	"	1		29.96	72	71	68		"	"	2	"	
4	"		"	"	1		29.96	69	68	66		"	cir cum gonimb	1	"	
5	"		"	"	1		29.90	70	68	66		bcm	"	1	"	
6	"		"	"	1		29.91	70	68	66		ocm	"	0	"	
7	"		"	"	1		29.94	69	68	66		"	"	0	"	
8	"		"	"	1		29.96	69	68	66		"	"	0	"	
9	"		SSE.	"	1		29.97	69	68	66		bcm	"	2	"	
10	"		"	SSE	1		29.97	69	68	66		"	"	4	"	
11	"		"	"	1		29.97	69	67	65		"	"	6	"	
Mid.	"		"	"	1		29.97	68	67	65		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, January 29th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and overcast with very light drizzling rain. Light airs from S & E. Stopped distilling at 3h 15m. Aneroid barometer 29.90.

W. H. Irwin
Master

4 to 8 A.M. Weather damp. Light breze from S & E early part of watch, calm latter part. Barometer rising. Nimbus clouds. At 6h 30m "Hartford" made signal. No 3351. Answd. Aneroid barometer 29.94.

Hal Chester
Asst Surgn

8 A.M. to Meridian. Weather thick and foggy first part of watch, clearing latter part. At 8.40 the Hartford made signal 6000. Reenlisted under C.S.C. No 3525 for three years. Wm Winchester (Seaman) Aneroid bar 29.90

P. Ross
Lieut

Meridian to 4 P.M. Pleasant weather. Light southerly airs. At 12 00 made signal. (Lat) 30.09 and signal (Telegraphic) 9422. "Hartford" answered 9.4. At 1m "Hartford" made signal. (General) 2372. At 3h 25m Hartford made signal (general) 2984. Aneroid barometer at the close 29.90

W. H. Irwin
Master

4 to 8 P.M. Weather cloudy foggy and misty. Light airs from S., Barometer rising. Mustered at quarters at 4.45. Aneroid at end of watch 29.90.

P. Ross
Lieut

8 P.M. to Midnight. Cloudy and slightly misty. Light airs from S & E. Barometer steady. Aneroid barometer 29.91.

W. H. Irwin
Master

Moon 1 mid. Examined and found to be correct.
Dec 11° 53' 46" S.
Phase. Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E.	Calm	0		29.98	69	68	66		bc	Circum Ncum	3	8	
2	"		"	"	0		29.98	68	68	66		"	"	2	"	
3	"		"	"	0		29.98	68	68	66		"	"	2	"	
4	"		"	"	0		29.98	68	67	65		"	"	1	"	
5	"		S.	"	0		29.94	68	67	65		"	"	1	"	
6	"		"	"	0		29.94	68	67	65		"	"	2	"	
7	"		N.	"	0		29.95	70	67	65		"	"	1	"	
8	"		"	"	0		29.95	70	67	65		"	"	1	"	
9	"		"	"	0		29.96	70	67	65		"	"	5	"	
10	"		S + E.	S	1		29.99	69	69	67		"	"	7	"	
11	"		"	S S W	1		29.98	69	69	67		"	"	7	"	
Noon.	"		S	"	1		29.98	70	69	67		"	"	6	"	

P. M.																
1	"		S S E	S S E	1		29.98	70	70	67		bc	Circum	8	"	
2	"		"	"	1		29.96	71	71	67		"	"	8	"	
3	"		"	"	1		29.95	72	72	68		"	"	8	"	
4	"		"	"	1		29.98	72	71	68		"	"	8	"	
5	"		"	"	1		29.96	72	71	68		"	"	5	"	
6	"		"	"	1		29.98	71	69	67		"	"	5	"	
7	"		"	"	1		29.99	70	68	66		"	Circum & Cir Strat	5	"	
8	"		"	"	1		29.99	69	68	66		"	Circum	4	"	
9	"		S E.	S E.	1		29.99	70	69	67		"	"	4	"	
10	"		"	S E + S.	1		30.00	70	68	66		bcm	"	6	"	
11	"		"	"	1		30.00	70	68	66		"	"	8	"	
Mid.	"		"	"	1		30.00	70	68	66		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 375 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2525 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 121 " 196 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McDonnick, U. S. Navy,

Tuesday, January 30th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Calm. Aneroid 29.90.
Wainwright-Kellogg [illegible] Lieut

4 to 8 A.M. Weather cloudy and foggy. Calm. Barometer steady. At 5.45 half-masted our colors with the "Hartford" during the burial of one of her crew. Received for ship's company 107 lbs of fresh beef, 107 lbs of vegetables and 85 loaves of bread. Received in Equipment Department 26 tons of coal. Aneroid at end of watch 29.92.
Clear Lieut

8 A.M. to Meridian. Clear and pleasant. Calm first hour. Light airs from S.E. remainder of watch. At 8.35 "Hartford" made signal (general) 3897 in obedience to which Surgeon Ruth repaired on board the "Hartford." At 11.45 "Hartford" made signal (general) 5917. Aneroid barometer at close of watch 29.91. By order of Commanding Officer Peter Devaney (Eds) and Sandy Beschawab, (Oiler) were released from confinement. P. M. Shehan, (Eds) was made a prisoner at large.
T. W. Lamin Master

Meridian to 4 P.M. Clear and warm. Light breeze from S.S.E. At 3.30 "Hartford" made signal 2373. At 4 got underway and stood toward San Lorenzo Island. Aneroid 29.90.
Wainwright-Kellogg [illegible] Lieut

4 to 8 P.M. Pleasant weather. Light airs from S.S.E. At 4.05 Hartford got underway and stood across for anchorage near San Lorenzo Island coming to about 5.00 and hoisting the quarantine flag. Went to quarters at 4.45. At 6.00 made signal (general) 2985. Aneroid barometer at the close 29.90.
T. W. Lamin Master

8 P.M. to Midnight. Cloudy. Misty. Light breeze from S.E. by S. Aneroid 29.90.
Wainwright-Kellogg [illegible] Lieut

Moon's mid Examined and found to be correct.
Dec 15° 01' 10" S.
Phase, Last quarter

W. F. Parker Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE	ESE	1		29.97	68	68	66		ocm	nimb		S.	
2	"		"	"	1		29.95	69	69	67		"	"		"	
3	"		"	"	1		29.95	69	69	67		"	"		"	
4	"		SE.	ESE.	1		29.96	69	69	67		bcm	cir cum & nimb		"	
5	"		"	Calm	0		29.97	69	69	67		bc	cir cum		"	
6	"		"	"	0		30.00	69	68	66		"	"		"	
7	"		N.	"	0		30.00	67	66	64		bcf	"		"	
8	"		"	"	0		30.01	67	66	64		bcm	"		"	
9	"		NNW	"	0		30.00	70	67	65		"	"		"	
10	"		"	NNW.	1		30.00	70	67	65		bc	"		"	
11	"		W×N.	W×N	1		30.00	70	69	67		"	"		"	
Noon.	"		"	"	1		30.00	71	69	67		"	"		"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 375 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2150 "

Coal consumed during the preceding 24 hours — tons 800 lbs.

Coal remaining on hand at Noon — 120 " 1636 "

P. M.															
1	"		NW.	Calm	0		29.98	72	71	69		bc	cir cum	7	"
2	"		S×W.	S×W.	1		29.96	73	72	70		"	"	8	"
3	"		SSE	SSE.	1		29.96	73	71	69		"	"	6	"
4	"		"	S×E.	2		29.96	73	71	69		bcm	"	3	"
5	"		"	"	1		29.96	73	72	70		"	"	4	"
6	"		"	"	2		29.96	72	69	67		"	"	2	"
7	"		"	"	2		29.95	72	69	67		"	"	2	"
8	"		"	"	2		29.95	72	69	67		"	"	2	"
9	"		SE	SE	2		29.97	71	69	67		"	"	6	"
10	"		"	"	2		29.98	71	69	67		"	"	6	"
11	"		"	"	2		29.98	71	69	67		"	"	6	"
Mid.	"		"	"	2		29.98	71	69	67		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday, January 31st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cloudy and misty. Light airs from E.S.E and S.S.E. Barometer steady. Aneroid 29.88.

W.O. Dimmick Ensign

4 to 8 A.M. Cloudy and misty, clearing at intervals. Calm. At daylight H.B.M.S. "Cormus" came in and anchored near San Lorenzo Island. At 7.50 sighted the U.S.S. "Pensacola" coming in from the Nd. exchanged numbers, Aneroid barometer 29.90

W.M. Master

8 A.M to Meridian. Clear and warm. Light variable airs. At 8.30 "Pensacola" came in and anchored. Commanding Officer left the ship to pay official call to "Pensacola." At 10.20 Flagship made signal 3351, At 9.30 mustered at quarters. At 10.15 English mail steamer left the harbor, Aneroid 29.91.

W. Winningham-Kellogg Lieut

Meridian to 4 P.M. Clear and pleasant. Hazy last part. Light airs and breezes from S by W to S by E. Barometer steady. Aneroid 29.86 At 1.25 H.B.M.S. "Cormus" came in and fired a salute of 13 guns with American ensign at the fore, which was returned by the "Pensacola" gun for gun, At 3.30 flagship made general signal 4 8 1.

W.O. Dimmick Ensign

4 to 8 P.M. Clear and warm. Light breeze from S by E. At 4.45 mustered at quarters, and served out clean hammocks. At 6.22 made signal 6222. Flagship answered 904. Scraped spars. Aneroid 29.90

W. Winningham-Kellogg COK Lieut

8 P.M to Midnight. Weather cloudy and misty. Light breeze from S.E. Barometer steady Aneroid 29.92.

W.O. Dimmick, Ensign.

Moon's mid Dec 17° 20' 04" S
Phase Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. & E.	S. S. E.	1		29.96	70	69	67		bcm	Ai Cumu	7	S	
2	"		"	"	1		29.97	70	68	67		"	"	6	"	
3	"		"	"	1		29.98	70	68	67		ocm	"	0	"	
4	"		"	"	1		29.97	70	68	67		"	"	0	"	
5	"		S. S. E.	"	1		29.96	68	67	65		"	"	0	"	
6	"		S. E.	"	1		29.95	68	67	65		"	"	0	"	
7	"		S. S. E.	"	1		29.98	68	67	65		bcm	"	2	"	
8	"		"	"	1		30.00	69	68	67		"	"	4	"	
9	"		S. E.	S. E.	1		30.02	69	69	67		bc	Cumu Ai Cumu	7	"	
10	"		"	"	1		30.02	70	70	68		"	"	7	"	
11	"		S. S. E.	S. S. E.	1		30.02	71	70	66		"	"	7	"	
Noon.	"		"	"	2		30.02	71	69	66		"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	375	gallons.	
Water during the preceding 24 hours	/	"	
Water remaining on hand fit for use at Noon	1775	"	
Coal consumed during the preceding 24 hours	tons 3	00	lbs.
Coal remaining on hand at Noon	120 "	1336	"

P. M.																
1	"		S.	S.	2		29.96	71	69	66		bc	Ai Cumu Cumu	4	"	
2	"		"	"	2		29.96	73	70	68		"	"	7	"	
3	"		S. S. E.	S. S. E.	2		29.94	73	70	68		"	"	7	"	
4	"		"	"	2		29.94	73	70	68		"	"	3	"	
5	"		"	"	2		29.94	73	70	68		"	"	3	"	
6	"		"	"	2		29.94	72	69	67		"	Ai Cumu Stratus	3	"	
7	"		"	"	2		29.94	71	68	66		"	"	4	"	
8	"		"	"	1		29.96	71	68	66		"	"	6	"	
9	"		"	"	1		30.00	70	68	66		"	Ai Cumu	7	"	
10	"		"	"	1		30.00	70	68	66		"	"	5	"	
11	"		"	"	1		30.00	70	68	66		"	"	4	"	
Mid.	"		"	"	1		30.00	69	68	66		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Thursday, February 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light breze from S.S.E. Barometer rising slowly. Cirro-cumulus clouds. Aneroid barometer 29.90.
Hard Rohrer Lieut

4 to 8 A.M. Cloudy. Misty. Light breze from S.S.E. At sunrise half masted colors for Rear Admirals Hugh Y. Purviance, James F. Schenck, James H. Strong, Fabian Stanley and Robert H. Wyman, Placid J. Bradley U.S. under Entry's charge to await action of Comdg Officer. Aneroid 29.95.
W. Simmons Lieut Kellogg Lieut

8 A.M. to Meridian. Clear pleasant weather. Light airs from S.E. and S.S.E. Barometer steady. Aneroid 29.92. At 9.30 mustered and inspected at quarters. Drilled as per routine. By order of Commanding Officer Robert J. Burrows (Sds) was given three first watches for defacing small store requisition for defacing small store requisition. J. Bradley U.S. five days double irons for neglect of duty and insubordination. At 11.45 Commanding Officer of U.S.S. "Pensacola" paid an official visit on board.
A.D. Brown Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Clouds cirro-cumulus and cumulus. Light breezes from S. to S.S.E. At noon the "Pensacola" fired a salute of 13 guns and at 3.30 she made signal No. 3918. Answered. Aneroid barometer 29.86.
Hard Rohrer Lieut

4 to 8 P.M. Pleasant but cloudy. Light breze from S.S.E. Barometer steady. Aneroid 29.92. At 4.45 mustered at quarters. Received on board in Pay Dept six bbls of sugar, nine tins coffee, seven bbls of beans, two sheets tea and in Engineers Dept one bbl of charcoal and two and one half bags nut coal.
A.D. Brown Ensign

8 P.M. to Midnight. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light breze from S.S.E. Aneroid bar 29.90
Hard Rohrer Lieut

Moon 1 mid. Examined and found to be correct.
Dec. 19° 26' 50" S
Phase, Last quarter

W. F. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		29.94	70	68	66		ocm	circum	0	S	
2	"		"	"	1		29.94	70	68	66		"	"	0	"	
3	"		"	"	1		29.92	69	66	64		"	"	0	"	
4	"		"	"	1		29.92	69	66	64		"	"	0	"	
5	"		"	Calm	0		29.93	69	66	64		"	"	0	"	
6	"		S×W	"	0		29.94	69	66	64		"	"	0	"	
7	"		"	"	0		29.94	69	66	64		"	"	0	"	
8	"		S	"	0		29.96	69	66	64		"	"	0	"	
9	"		SW×W.	"	0		29.98	69	68	66		bcf	"	1	"	
10	"		WNW.	SW×W.	1		30.00	69	68	66		"	"	1	"	
11	"		SSW	WNW.	1		30.00	69	68	66		"	"	2	"	
Noon.	"		"	SSW.	1		29.97	70	69	67		bc	"	6	"	

P. M.																
1	"		S	S.	1		29.98	71	70	67		bc	circum	7	"	
2	"		"	"	1		29.98	71	70	67		"	"	7	"	
3	"		S×E	S×E	1		29.96	71	70	67		"	"	7	"	
4	"		"	"	1		29.92	72	71	67		"	"	5	"	
5	"		SSE.	SSE	2		29.90	71	71	67		"	"	5	"	
6	"		"	"	2		29.90	71	71	67		"	Cir Cumulo Stratus	2	"	
7	"		"	"	2		29.92	70	68	65		"	"	3	"	
8	"		"	"	2		29.92	70	68	65		"	"	3	"	
9	"		"	"	2		29.92	70	68	66		"	"	2	"	
10	"		"	"	2		29.94	70	68	66		ocm	nimb	0	"	
11	"		"	"	2		29.96	70	68	66		"	"	0	"	
Mid.	"		"	"	1		29.96	70	68	66		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1425 "

Coal consumed during the preceding 24 hours tons 700 lbs.

Coal remaining on hand at Noon 120 " 636 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy;

Friday. February 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast foggy and misty. Light airs from S S E. Barometer falling. Aneroid at end of watch 29.86.

[illegible] Lieut

4 to 8 A.M. Overcast cloudy and misty. Calm all the watch. Barometer rising slowly. Aneroid 29.96. At 7.30 flagship made general signal 3351.

[illegible] Ensign

8 A.M. to Meridian. Weather foggy but pleasant. Barometer rising. Cirro-cumulus clouds. Light airs from S W by W to W.N.W. At 9.30 mustered crew at quarters and inspected hammocks. At 9.45 Flagship made signal No 1087. Answd. A board of survey convened on board and surveyed certain articles in the Navigation Department of this ship.

Hard Rubber Lieut

Meridian to 4 P.M. Weather partly cloudy and pleasant. Light airs from S^d. Barometer falling. At 2.05 the Pensacola made telegraphic signal 8277. 6702. 1623. 9409. 7559. 4698. Aneroid at end of watch 29.84.

[illegible] Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer steady. Light breeze from S S E. Clouds cirro-cumulus, cumulus and nimbus. Aneroid barometer 29.88.

Hard Rubber [illegible] Lieut

8 P.M. to Midnight, Overcast foggy and misty. Light airs from S S E. Barometer rising. Aneroid at end of watch 29.96.

[illegible] Lieut

Moon's mid Examined and found to be correct.
Dec 20 13 18" S.
Phase last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.94	69	68	66		oc cu w	nimb	0	8	
2	"		"	"	1		29.94	69	67	66		"	"	0	"	
3	"		ESE	Calm	0		29.94	69	67	66		oc cu	"	0	"	
4	"		"	"	0		29.94	69	67	66		"	"	0	"	
5	"		SxE	"	0		29.92	69	67	66		"	"	0	"	
6	"		"	"	0		29.94	69	67	66		"	"	0	"	
7	"		"	"	0		29.94	69	67	66		"	"	0	"	
8	"		SE	"	0		29.96	69	67	66		"	"	0	"	
9	"		NW	"	0		29.98	69	67	66		"	"	0	"	
10	"		NNW	NNW	1		29.98	70	68	67		bcu	cicumu	4	"	
11	"		"	"	0-1		30.00	70	68	67		"	"	4	"	
Noon.	"		"	Calm	0		29.98	71	68	67		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1075 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 120 " 336 "

P. M.																
1	"		S	SSW.	1		29.94	70	69	67		bc	cicumu	6	"	
2	"		SSW	"	1		29.94	71	70	68		"	"	6	"	
3	"		SSE	SSE	1		29.92	71	70	68		"	"	6	"	
4	"		"	"	1		29.90	71	70	68		"	"	4	"	
5	"		"	"	1		29.90	71	69	67		"	"	5	"	
6	"		"	"	1		29.90	71	69	67		"	"	5	"	
7	"		"	"	1		29.92	71	68	66		"	cicumu cumulus	4	"	
8	"		SxE	SxE	1		29.93	71	68	66		"	cicumu	7	"	
9	"		"	"	1		29.95	71	68	67		"	"	8	"	
10	"		"	"	1		29.96	71	68	67		"	"	8	"	
11	"		"	Calm	0		29.99	71	68	67		bcu	"	8	"	
Mid.	"		"	"	0		29.98	70	68	67		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A H. McCormick, U. S. Navy;

Saturday, February 3d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S S E, and calms, Aneroid barometer at the close 29.86.

W W Smith Master

4 to 8 A M. Weather misty. Light airs from S S E in early part of watch and calm in latter part. Barometer steady. Nimbus clouds. At 7.30. "Pensacola" made signal No. 3357. Aneroid. A Chilian and an English steamer came into ~~harbor~~. Received on board for crew 107 lbs of fresh beef, 107 lbs vegetables and 85 loaves of bread. Aneroid barometer 29.88.

Karl Rohrer, Lieut

8 A M to Meridian Weather cloudy and misty first part of watch afterwards clear and pleasant. Light variable airs and calms. Mustered at quarters at 9.30. Aneroid at end of watch 29.90.

[illegible] Lieut

Meridian to 4 P M. Weather clear and pleasant, Light airs from S S E. Barometer falling slightly. Aneroid 29.87. David Quickshank. (Finisher) discharged from ship and from the Naval service at his own request

W W Smith Master

4 to 8 P M. Weather clear and pleasant. Light airs from S S E. Barometer steady. Mustered at quarters at 4.45. A Chilian gunboat left the harbor at 5.30. Aneroid at end of watch 29.98.

[illegible] Lieut

8 P M to Midnight. Clear and pleasant. Light airs from S by E. Barometer steady. Aneroid barometer at close of watch 29.90

W W Smith Master

Moon's mid Dec 22° 2' 40" S. Phase. Last quarter

Examined and found to be correct.

W. H. Parker Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE.	ESE.	1		29.98	68	67	65		ocm	cir cum gr nimb	0	S	
2	"		SE×E	SE×E.	1		29.94	68	67	65		"	nimb	0	"	
3	"		ESE	Calm	0		29.90	68	67	65		"	"	0	"	
4	"		NE×E.	ESE.	1		29.90	68	67	65		bcm	cir cum	2	"	
5	"		"	Calm	0		29.92	68	68	66		oc	nimb	0	"	
6	"		"	"	0		29.95	68	68	66		"	"	0	"	
7	"		SSE.	"	0		29.98	68	68	66		bc	cir cum gr nimb	1	"	
8	"		"	"	0		29.98	68	68	66		"	"	2	"	
9	"		"	"	0		29.98	70	68	66		"	"	2	"	
10	"		SSW.	SSW.	1		29.98	70	68	66		"	"	4	"	
11	"		S	S	1		29.98	73	71	69		"	"	6	"	
Noon.	"		"	"	1		29.98	73	71	69		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	725	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	120 " 36	"	

P. M.															
1	"		S	S.	1		29.96	73	71	69		bc	cir cum	6	
2	"		"	"	1		29.94	73	71	69		"	"	7	
3	"		"	S×E	1		29.93	73	71	69		"	"	7	
4	"		"	"	1		29.91	73	71	69		"	"	7	
5	"		SSE.	SSE	1		29.90	71	69	66		ocf	nimb	0	
6	"		"	"	1		29.90	71	69	66		ocfd	"	0	
7	"		S	SSW.	1		29.84	70	67	65		bcm	cir cum gr nimb	2	
8	"		SSE	SSE.	1		29.90	70	67	65		"	"	2	
9	"		S	S	1		29.92	70	67	65		"	"	2	
10	"		"	"	1		29.94	70	67	65		"	"	2	
11	"		"	"	1		29.94	70	67	65		"	"	2	
Mid.	"		"	"	1		29.94	70	67	65		ocm	"	0	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Sunday, February 4th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S.E. and calm. Aneroid 29.98.

Wainwright-Kellogg OK Lieut

4 to 8 A.M. Weather overcast and pleasant. Calm. Barometer rising. At 7.30 the "Pensacola" made signal No 3351. Received on board for ship's company 107 lbs fresh beef. 107 lbs vegetables and 85 loaves bread Aneroid at end of watch 29.89.

Clear Lieut

8 A.M. to Meridian. Pleasant weather. Light breeze from S.S.W. to South. At 9.30 "Pensacola" made signal (Telegraphic) 7846. 3101. 945. 5196. 5610. 6769. 8425. 2012. 6772. 8433 with numeral 10. Answered and at 10m made signal 5180 with numeral 8. At 10.0m "Hartford" made signal (Telegraphic) 0776. 4904. 8729. 4204. 271. At 10m called all hands to muster, read Articles for the government of the navy and mustered the crew. At 10.15 "Pensacola" made signal, general 3837 with numeral 10 3d. At 10.15 "Pensacola" made to Hartford signal (tel.) 7846. 3101. 945. 5196. 5610. 6769. 8425. 2012. 6772. 8433. Aneroid bar. 29.88.

W. M. Dunn Master

Meridian to 4 P.M. Weather clear and pleasant. Light airs from South. Barometer falling. At 2.15 the "Pensacola" made signal (tel) 7846. 6769. 8425. 3101. 2012. 6772. 8433. 945. 5196. 8417. 2012. 4187. 6772 8433 and numeral 10. Aneroid barometer at end of watch 29.86.

Wainwright Kellogg OK Lieut

4 to 8 P.M. Cloudy and foggy greater part of watch, slightly clearing latter part, light airs from S.S.E. to S.S.W. Aneroid bar 29.88.

W. M. Dunn Master

8 P.M. to Midnight. Cloudy. Misty. Pleasant. Light airs from S.S.E. Aneroid 29.90.

Wainwright-Kellogg OK Lieut

Noon to mid Dec 18° 43' 42" S.
Phase, Last quarter.

Examined and found to be correct.

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.93	69	69	67		oc m	nimbus	0	S	
2	"		"	"	1		29.92	69	69	67		"	"	0	"	
3	"		SE	SE	1		29.92	69	68	66		"	"	0	"	
4	"		"	"	1		29.91	69	68	66		oc	"	0	"	
5	"		ESE.	SSE.	1		29.90	68	68	66		oc m	"	0	"	
6	"			calm	0		29.90	68	68	66		"	"	0	"	
7	"		SSW.	"	0		29.95	68	68	66		"	"	0	"	
8	"		SSE.	"	0		29.97	68	68	66		"	"	0	"	
9	"		"	"	0		29.99	68	68	66		"	cu-nimb	0	"	
10	"		N.	"	0		30.00	68	68	66		b cu	cir cum nimb	3	"	
11	"		WNW.	WNW	1		30.00	70	69	67		bc	cir cum	6	"	
Noon.	"		"	"	1		30.00	70	69	67		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 350 "

Water remaining on hand fit for use at Noon 725 "

Coal consumed during the preceding 24 hours tons 1500 lbs.

Coal remaining on hand at Noon 119 " 776 "

P. M.																
1	"		WxN.	WxN.	1		29.94	72	70	68		bc	cir cum	6	"	
2	"		S	S	1		29.92	72	70	68		"	"	4	"	
3	"		SSE	SSE	1		29.92	70	70	68		o cu	"	0	"	
4	"		"	"	1		29.90	71	70	68		"	"	0	"	
5	"		"	"	1		29.88	71	70	62		bc	"	2	"	
6	"		"	SExS	1		29.89	71	70	62		"	"	3	"	
7	"		"	"	1		29.90	71	70	62		"	cir cum strat	5	"	
8	"		"	"	1		29.94	71	70	62		"	"	5	"	
9	"		"	SSE	1		29.98	70	69	67		"	cir cum	2	"	
10	"		"	"	1		29.98	70	69	67		"	"	4	"	
11	"		"	"	1		29.98	70	69	67		"	"	5	"	
Mid.	"		"	"	1		29.98	70	69	67		oc	nimbus	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Monday, February 5th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Light airs from S.S.E. and S.E. Barometer falling slightly. Aneroid 29.96

F. O. Dunn Ensign.

4 to 8 A.M. Overcast cloudy and misty. Calm. At 7.16 made signal 4861. "Pensacola" answered 904. At 7.50 "Pensacola" made signal 3351. and at 7.54 signal (Prep.) 6071. At 7.55 crossed royal yards. Made preparations for distilling. Aneroid barometer 29.88.

W. Winningham Master

8 A.M. to Meridian. Clear and warm, light variable breeze and calms. At 9.30 mustered at quarters and exercised all divisions at ordnance. Received an official visit from Admiral Hughes Comdg Pacific Fleet. Commenced distilling at 10. Aneroid 29.88.

Winningham Kellogg 1st Lieut

Meridian to 4 P.M. Cloudy first part, overcast and misty last part of watch. Light airs from W. by N. to S.S.E. Barometer falling slowly. Aneroid 29.84. Distilling. At 3.15 H.M.S. "Comus" came in and anchored.

F. O. Dunn Ensign

4 to 8 P.M. Clear and cloudy. Light airs from S. and E. At 4.45 mustered at quarters. At 6.08 Flagship made signal 6068. At 6.10 made (Interrogatory) 5422. Flagship answered 904. At 6.20 sent down top gallant and royal yards and unbent the sails. At 7.30 Flagship made signal (Vehye) 3799; made our number 44. "Hartford" and "Onbard" made their numbers. Aneroid 29.90. Distilling.

Winningham Kellogg 1st Lieut

8 P.M. to Midnight, Cloudy but pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.88. Distilling.

F. O. Dunn Ensign.

Moon's mid Dec 16. 15.50" S
Phase, Last Quarter

Examined and found to be correct.

W. H. Parker Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE	SE	1		29.92	70	67	65		bc	nimb	0	S	
2	"		"	"	1		29.90	70	67	65		"	"	0	"	
3	"		"	"	1		29.90	70	67	65		ocm	"	0	"	
4	"		"	"	1		29.90	69	67	65		"	"	0	"	
5	"		"	"	1		29.91	69	67	65		"	"	0	"	
6	"		"	SE&S.	1		29.92	69	67	65		"	"	0	"	
7	"		"	Calm	0		29.93	69	67	65		"	"	0	"	
8	"		"	SE.	1		29.94	69	67	65		"	"	0	"	
9	"		SSE	SSE	1		29.96	70	69	67		bcm	cir cum nimb	3	"	
10	"		"	"	1		29.98	70	69	67		bc	"	3	"	
11	"		South	South	1		30.00	70	70	68		"	cir cum	7	"	
Noon.	"		"	"	1		29.98	71	70	68		"	"	6	"	

P. M.																
1	"		SSE	SSE.	2		29.92	72	70	68		bc	circum	6	"	
2	"		"	"	2		29.90	73	70	68		"	"	6	"	
3	"		"	"	2		29.90	73	70	68		"	"	6	"	
4	"		"	"	2		29.90	73	73	68		"	"	6	"	
5	"		"	SE&S.	1		29.89	73	71	69		"	Circum Strat	4	"	
6	"		"	"	1		29.88	73	70	68		"	"	3	"	
7	"		SE&S.	"	1		29.83	73	70	68		"	"	2	"	
8	"		"	"	1		29.82	73	69	67		oc	nimb	0	"	
9	"		SSE	SSE	1		29.97	72	68	66		ocr	"	0	"	
10	"		SE.	SE	1		29.98	71	68	66		"	"	0	"	
11	"		"	"	1		29.98	70	68	67		bc	"	0	"	
Mid.	"		"	"	1		29.98	70	68	67		"	circum	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 2530 "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — 2 tons 1320 lbs.

Coal remaining on hand at Noon — 116 " 1696 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, February 6th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather pleasant. Light breeze from S.E. Barometer steady. Nimbus clouds. Distilling water. Aneroid barometer 29.84

Ward Robinson, U.S. Navy

4 to 8 A.M. Cloudy. Foggy. Light variable airs and calms. At 8 stopped distilling and hauled fires. At 7.38 flagship made signal 60 69. at 7.50 crossed topgallant and royal yards. Received for ships company 107 lbs. fresh beef, 107 lbs vegetables and 85 loaves of bread. Aneroid 29.90.

Wainwright Kellogg

U.S. Navy

8 A.M. to Meridian. Cloudy but pleasant, misty first hour. Light airs from S.S.E. and South. Barometer rising. Aneroid 29.98. Engaged in breaking out fore hold. At 10.00 made general signal, (numerals) 5.

H.G. Dunn, Ensign

Meridian to 4 P.M. Weather clear and pleasant, light breeze from S.S.E. Barometer steady. Clouds cirro-cumulus. Relieved hold, Port watch of apprentices were instructed by the schoolmaster. Aneroid barometer 29.80.

Ward Robinson U.S. Navy

4 to 8 P.M. Weather cloudy but pleasant, Overcast last hour. Light airs from S.E. by S. Barometer falling. Aneroid 29.88. At 6.08 flagship made general signal (prep.) 6 68. Sent down royal and topgallant yards. At 6.25 flagship made 29.86.

H.G. Dunn, Ensign

8 P.M. to Midnight. Weather pleasant though raining first part of watch. Barometer steady. Nimbus and cirro-cumulus clouds. Light breeze from S.E. to S.S.E. Aneroid barometer 29.88.

Ward Robinson U.S. Navy

Moon's mid Examined and found to be correct.
Dec 12° 46' 20" S.
Phase, Last quarter

W.T.S. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	1		29.94	70	68	67		bc	cirrus	8	S.	
2	"		"	"	1		29.92	70	68	67		"	"	8	"	
3	"		"	"	1		29.91	70	68	67		"	"	8	"	
4	"		SE	SE.	1		29.91	70	67	65		"	"	8	"	
5	"		"	"	1		29.92	70	67	65		"	"	7	"	
6	"		E	Calm	0		29.94	70	68	66		bcm	"	6	"	
7	"		"	"	0		29.96	70	70	68		"	"	6	"	
8	"		SSE.	SSE	1		29.98	70	70	68		"	"	6	"	
9	"		"	"	1		29.99	70	70	68		"	"	7	"	
10	"		"	"	1		29.99	70	70	68		"	"	7	"	
11	"		SE×S.	SE×S.	1		29.99	70	70	68		bc	"	8	"	
Noon.	"		"	"	1		29.99	70	70	68		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2550	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	116 " 1396	"	

P. M.																
1	"		SSE	SSE	1		29.95	71	71	68		bcw	cirrus	8	"	
2	"		"	"	1		29.94	71	71	68		"	"	8	"	
3	"		"	"	1		29.93	71	71	68		"	"	6	"	
4	"		"	"	1		29.92	71	71	68		"	"	3	"	
5	"		"	"	2		29.92	71	71	68		"	"	3	"	
6	"		"	"	2		29.93	71	71	68		"	"	3	"	
7	"		"	"	2		29.93	71	68	66		"	"	3	"	
8	"		"	"	2		29.95	71	68	66		"	"	3	"	
9	"		"	"	1		29.95	71	68	66		"	"	6	"	
10	"		"	"	1		29.98	71	68	66		"	"	6	"	
11	"		"	"	1		29.98	70	68	66		"	"	8	"	
Mid.	"		"	"	1		29.98	70	68	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, February 7th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Light airs from S.S.E. Barometer falling. Aneroid 29.86.

P. Rees Lieut

4 to 8 A.M. Cloudy and misty but pleasant. Calms and light airs from S.S.E. Barometer rising. Aneroid 29.92. At 7.30 flagship made general signal 3357. and (prep.) 6461. Crossed royal and topgallant yards and loosed sails. Received on board into Paymasters Dept. 107 lbs of fresh beef and vegetables and 85 loaves of bread.

Jno. W. Ensign.

8 A.M. to Meridian. Weather pleasant though hazy in first part of watch, Light breeze from S.S.E. to S.S.E. by S. Barometer steady. Cirro-cumulus clouds. At 9.30 went to general quarters. By order of Comdg Officer. Thos. E. Filgate (Drumr.) and Wm. H. Walsh (Pvt.) was given four hours extra duty for being out of uniform. E. S. Carr (Ord'l) five first watches for being inattentive at studies and N. W. Warner (Ord'l) seven first watches for not putting money in mess. Aneroid bar. 29.98.

Ward Robinson Lieut

Meridian to 4 P.M. Weather cloudy and misty. Barometer falling At 3.25 the "Pensacola" made signal 4826. Furled sails. At 3.30 "Pensacola" made signal 29.84. Aneroid 29.84.

P. Rees Lieut

4 to 8 P.M. Clear and pleasant weather, Light breeze from S.S.E. Barometer rising. Cirro-cumulus and nimbus clouds. Hazy about the horizon. At 6.10. "Pensacola" made signal (preparatory) No. 6068, answered, and at 6.25 she made signal 6068. Answered and sent down light yards. A Chilian steamer came in and anchored. Aneroid barometer 29.90.

Ward Robinson Lieut

8 P.M. to Midnight. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.92.

P. Rees Lieut

Moon's mid Examined and found to be correct.
Dec 8.° 24' 10. S.
Phase New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.98	69	67	65		bo	cir cum	8	S	
2	"		"	"	1		29.95	69	67	65		"	Cir	9	"	
3	"		"	"	1		29.92	69	67	65		"	"	9	"	
4	"		"	"	1		29.90	69	67	65		ofw	none	0	"	
5	"		"	"	1		29.91	69	67	65		"	"	0	"	
6	"		"	"	1		29.93	69	67	65		"	"	0	"	
7	"		S.E.	S E.	1		29.96	69	67	65		"	"	0	"	
8	"		"	"	1		29.98	69	67	65		"	"	0	"	
9	"		S	Calm	0		29.98	69	68	66		ocm	circum	0	"	
10	"		"	S	1		2998	70	68	66		bcm	"	5	"	
11	"		SSE	"	1		29.98	70	68	66		bo	"	6	"	
Noon.	"		"	SSE	1		29.98	71	69	67		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 375 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2175 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 1096 "

P. M.																
1	"		S	SSE	1		29.98	71	70	67		bo	cir cum	8	"	
2	"		SSE	"	1		29.98	70	70	68		bcw	"	11	"	
3	"		"	"	1		29.96	72	70	67		"	"	11	"	
4	"		"	"	1		29.95	72	70	67		"	"	11	"	
5	"		"	"	1		29.97	73	71	68		bo	"	6	"	
6	"		SE	SE	1		29.97	73	70	67		"	"	6	"	
7	"		"	"	1		29.98	73	69	66		"	cir. str.	11	"	
8	"		"	"	1		29.98	73	69	67		"	cir cum	11	"	
9	"		"	"	1		29.98	73	69	67		"	"	3	"	
10	"		SSE	SSE.	1		29.99	72	69	67		bcm	"	4	"	
11	"		"	"	3		30.00	71	69	67		"	"	2	"	
Mid.	"		"	SE×S	3		29.98	71	69	67		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, February 8th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather first part. Light airs from S.S.E. At 12.02 "Pensacola" made general call followed by signal 3820. Answered. At 12.20 "Pensacola" made signal 3819. and at 12.40 "Pensacola" made signal 5362. Executed the signal as made. Overcast foggy and wet latter part. Aneroid barometer at close of watch.

W.W. Smith Master

4 to 8 A.M. Weather foggy and wet. Barometer rising. Light airs from S.S.E to S.E. Aneroid barometer 29.92.

T. Carl Robinson, USN Lieut

8 A.M to Meridian. Weather overcast and foggy at beginning of watch afterwards clear and pleasant. Light airs from S.E and E.S.E and calms. Mustered at quarters at 9.30 and exercised Navigators and First divisions at single sticks, Second at small arms Third at great guns and Powder at passing powder. At 10.00 made signal (Sunset) 4 to "Pensacola" Aneroid at end of watch 29.90.

C. Rees Lieut

Meridian to 4 P.M. Weather clear and pleasant: foggy horizon. Painting hatch coamings. Received on board a battering ram for use in the Engineer's Department. Barometer falling slightly Aneroid at end of watch 29.87.

W.W. Smith Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.E and E.S.E, Barometer steady. Mustered at quarters at 4.45. At 6.10 the "Pensacola" made signal 29.85. Aneroid at end of watch 29.90.

C. Rees Lieut

8 P.M to Midnight, Cloudy and slightly misty. Light breeze from S.S.E. freshening latter part. Heavy swell from S.W and ship rolling rather deeply at times. Aneroid barometer 29.91.

W.W. Smith Master

Moon's mid Examined and found to be correct.
Dec 3° 29' 56" S.
Phase, New moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE.	S	1		29.98	70	69	67		bc	cirrus	2	S	
2	"		"	SSE	1		29.96	70	69	67		"	"	4	"	
3	"		"	"	1		29.95	69	69	67		"	"	5	"	
4	"		"	"	1		29.95	69	69	67		"	"	5	"	
5	"		"	"	1		29.95	69	69	67		ofw	none	0	"	
6	"		"	Calm	0		29.98	69	69	67		"	"	0	"	
7	"		"	SSE.	0-1		30.00	69	68	66		bcf	cirrus	1	"	
8	"		"	"	0-1		30.00	69	68	66		"	"	1	"	
9	"		"	"	01		30.00	69	68	66		"	"	1	"	
10	"		"	"	1		30.00	70	68	66		"	"	1	"	
11	"		"	"	1		30.00	70	68	66		"	"	3	"	
Noon.	"		"	"	1		30.00	71	70	68		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 375 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons 700 lbs.

Coal remaining on hand at Noon 116 " 396 "

P. M.																
1	"		SSE	SSE	2		29.98	72	70	68		of	none	0	"	
2	"		"	S×E	2		29.97	72	70	68		bcw	circum	6	"	
3	"		"	"	2		29.96	72	70	68		"	"	7	"	
4	"		"	SSE	2		29.94	73	70	68		"	"	4	"	
5	"		"	"	1		29.92	73	70	68		"	"	5	"	
6	"		"	"	1		29.93	73	70	68		"	"	5	"	
7	"		"	"	2		29.94	73	70	68		"	"	5	"	
8	"		"	"	2		29.92	72	69	67		"	cirrus	1	"	
9	"		"	"	1		29.95	72	69	67		"	"	1	"	
10	"		"	"	1		29.98	71	69	67		bcwf	"	1	"	
11	"		"	"	1		29.98	71	69	67		"	"	3	"	
Mid.	"		"	"	2		29.98	70	69	67		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. February 9th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Light airs from S^d and E^s, Aneroid 29.90.
Wainwright-Kellogg
OK Smith

4 to 8 A.M. Overcast and foggy. Calm. Barometer rising. At 7.40 the "Pensacola" made signal 6444. Crossed topgallant yards at 7.45. Aneroid at end of watch 29.92.
OK Smith

8 A.M to Meridian. Cloudy and foggy. Light airs from S.S.E. At 9.30 exercised at fire quarters. All divisions ready in 1^min 10^sec. Secured at 9.40. Aneroid barometer at the close 29.814.
W.W. Smith Master

Meridian to 4 P.M. Foggy first hour of watch, clear remainder of watch. Barometer falling slightly. Aneroid at end of watch 29.82. Received mail from the U.S. The flagship fired a salute of 15 guns. American flag at the fore.
Wainwright-Kellogg
OK Smith

4 to 8 P.M. Pleasant weather, slightly misty. Light airs from S.S.E. Went to quarters at 4.45. At 6 hoisted in steam cutters. Aneroid barometer at the close 29.86.
W.W. Smith
Master

8 P.M to Midnight. Cloudy, foggy after 10. Light breeze from S.S.E. Aneroid 29.90.
Wainwright-Kellogg
OK Smith

Moon's mid Dec 0° 37' 13" N.
Phase, New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.E	S.E	2		29.94	70	69	68		bcm	cir cumb	3	S	
2	"		"	S.E × S.	2		29.93	70	68	67		"	"	4	"	
3	"		"	"	1		29.93	70	68	67		"	"	3	"	
4	"		"	"	1		29.92	70	68	67		ocm	"	0	"	
5	"		S.S.E	S.S.E.	1		29.94	68	68	66		"	"	0	"	
6	"		"	"	1		29.94	69	68	66		"	"	0	"	
7	"		"	"	1		29.98	70	68	67		bcm	"	3	"	
8	"		"	"	1		30.00	70	69	67		"	cir cumb vari cumb	5	"	
9	"		"	"	1		30.00	71	71	69		bc	"	5	"	
10	"		"	"	1		30.00	71	71	69		"	cir cumb	5	"	
11	"		S × W.	S × W	1		30.00	72	71	69		"	"	6	"	
Noon.	"		S	S.	1		30.00	72	72	69		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1450 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 116 " 96 "

P. M.																
1	"		S	South	1		29.94	72	72	69		bc	cir cumb	6	"	
2	"		"	"	1		29.94	74	72	69		"	"	7	"	
3	"		"	"	1		29.92	74	72	69		"	"	6	"	
4	"		"	"	1		29.92	74	72	69		"	"	6	"	
5	"		"	S.S.E.	1		29.93	70	72	69		"	"	3	"	
6	"		S.S.E	"	1		29.94	74	71	69		"	cir cumb strat	4	"	
7	"		"	"	1		29.96	73	71	69		"	"	5	"	
8	"		S.E	S.E	0-1		29.98	73	71	69		bcm	"	3	"	
9	"		"	"	0-1		30.00	72	71	69		bc	cir cumb	5	"	
10	"		"	"	1		30.00	72	71	69		"	"	6	"	
11	"		"	"	1		30.00	71	70	68		ocmw	nimb	0	"	
Mid.	"		"	"	1		30.00	71	70	68		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, February 10th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Cloudy and misty. Overcast last hour. Light breeze and airs from S E and S E by S. Barometer falling slowly. Aneroid 29.88.

H. O. Dunn Ensign

4 to 8 A.M. Overcast cloudy and misty. slightly clearing at the close. Light airs from S S E. Received on board in Paymasters Department for use of crew 107 lbs. fresh beef and vegetables and 85 loaves of bread, Aneroid barometer at the close 29.92.

W. H. Simmons Master

8 A.M. to Meridian. Clear and hot, Light breeze from S. and E. At 9.30 mustered at quarters. Aneroid 29.86. W. Cunningham-Kellogg Lieut. W.R.C.

Meridian to 4 P.M. Clear pleasant weather. Light airs from South. Barometer falling slowly. Aneroid 29.84.

H. O. Dunn Ensign.

4 to 8 P.M. Clear and hot, Light breeze from S. and E. At 4.45 mustered at quarters. Aneroid 29.89.

W. Cunningham-Kellogg Lieut. W.R.C.

8 P.M. to Midnight. Cloudy first part, overcast and misty with heavy dew last part of watch. Light airs from S E Barometer steady Aneroid 29.90.

H. O. Dunn. Ensign

Moon full mid Dec 6° 36' 38" M
Phase. New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.96	71	70	68		bcm	cir-cum	6	S.	
2	"		S	S	1		29.94	71	70	68		"	"	6	"	
3	"		"	"	1		29.94	71	70	68		"	"	7	"	
4	"		"	"	1		29.94	71	70	68		"	"	7	"	
5	"		"	S×E	1		29.96	71	70	68		"	cir-cum	7	"	
6	"		"	Calm	0		29.98	71	70	68		"	"	6	"	
7	"		S×E	"	0		29.99	71	70	68		"	"	4	"	
8	"		S	"	0		29.99	71	70	68		"	"	5	"	
9	"		SSW	SSW.	1		30.00	70	69	67		bc	"	6	"	
10	"		"	"	1		30.00	71	71	68		"	"	8	"	
11	"		"	SSE.	1		30.00	72	72	69		"	"	8	"	
Noon.	"		"	"	1		30.00	72	72	69		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water during the preceding 24 hours	1	"	
Water remaining on hand fit for use at Noon	1100	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	115 "	2036	"

P. M.																
1	"		S×W	S×W.	1		30.00	74	73	70		bc	cir cum	6	"	
2	"		"	"	1		29.99	74	73	70		"	"	6	"	
3	"		"	"	1		29.99	74	72	69		"	"	6	"	
4	"		S	S.	1		29.99	73	72	69		"	"	6	"	
5	"		"	"	1		29.96	70	72	69		"	"	6	"	
6	"		SSE	SSE.	2		29.96	70	72	69		"	"	6	"	
7	"		"	"	2		29.97	70	72	69		bcm	"	3	"	
8	"		"	"	1		29.98	73	70	67		"	"	3	"	
9	"		"	"	1		29.98	72	70	68		"	"	4	"	
10	"		"	"	1		30.00	72	69	67		"	"	2	"	
11	"		"	"	1		30.00	72	69	67		"	"	2	"	
Mid.	"		"	"	1		30.00	72	69	67		oom	nimb	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. February 11th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Barometer steady. Clouds cirrus and cumulus. Light airs from S.S.E. Aneroid barometer 29.86.

Hal Roberts Lieut

4 to 8 A.M. Cloudy until 6. clear and warm remainder of watch. Calm and light variable airs. Received in Pay Department 107 lbs. fresh beef. 107 lbs. of vegetables and 85 loaves of bread. Aneroid 29.88.

Wainwright Kellogg Jr Lieut

8 A.M. to Meridian. Weather clear and warm. Light airs from S.S.W. and S.S.E. Barometer steady. Aneroid 29.90. At 9.36 Commanding Officer inspected ship and crew at quarters. At 10.10 Flagship made general signal 3837. At 11.30 H.M.S. "Kingfisher" went to sea.

A.O. Dunn. Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from S and W to South. Barometer steady. Cirrus and cumulus clouds. Received on board in Navigation Department 20 yds. of blue and 20 yds. of white bunting and 100 fms of log line. Aneroid barometer 29.87.

Hal Roberts, Lieut

4 to 8 P.M. Cloudy but pleasant, misty last part. Light airs and breezes from South and S.S.E. Barometer rising slowly. At 6.23 flagship made general signal 29.85

A.O. Dunn Ensign.

8 P.M. to Midnight. Weather pleasant. Light breeze from S.S.E. Barometer steadily. Clouds cirro-cumulus. Aneroid barometer 29.92

Hal Roberts Lieut

Moon's mid Dec 11° 08' 34" W. Phase, New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S x E	S x E	1		30.00	71	69	67		ocnw	pumb	0	S	
2	"		S S E	S S E	1		30.00	70	69	67		ofw	none	0	"	
3	"		"	"	1		29.98	70	69	67		"	"	0	"	
4	"		"	"	1		29.96	70	68	66		"	"	0	"	
5	"		"	"	1		29.94	70	68	66		of	"	0	"	
6	"		"	"	1		29.94	70	68	66		"	"	0	"	
7	"		"	"	1		29.96	70	68	66		"	"	0	"	
8	"		"	"	1		29.96	70	68	66		"	"	0	"	
9	"		S x E	S x E.	1		29.99	71	69	67		fc	Cir cumu Scumu	3	"	
10	"		"	"	1		30.01	72	69	67		bcm	"	4	"	
11	"		"	"	1		30.02	73	71	69		"	"	4	"	
Noon.	"		"	"	1		30.02	73	71	69		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	315	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	785	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	115 "	1736	"

P. M.																
1	"		S S E	S S E	1		29.98	73	72	69		bcm	Cir cumu	6	"	
2	"		"	"	1		29.98	73	72	69		"	"	4	"	
3	"		"	"	1		29.96	72	72	69		"	"	3	"	
4	"		"	"	1		29.96	72	71	68		"	"	3	"	
5	"		"	"	1		29.97	72	71	69		"	"	2	"	
6	"		"	"	2		29.98	72	69	68		"	"	2	"	
7	"		"	"	2		29.98	72	68	67		"	Cumu str	2	"	
8	"		"	"	1		29.97	73	69	68		"	Cir cumu	11	"	
9	"		S x E	S x E	1		29.98	73	70	69		ocm	"	0	"	
10	"		"	"	1		29.99	73	70	69		"	"	0	"	
11	"		"	"	1		29.99	73	70	69		"	"	0	"	
Mid.	"		"	"	1		29.99	73	71	69		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, February 12th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and misty. Light airs from S.S.E. Barometer falling. Aneroid at end of watch 29.86.

Thos Lieut

4 to 8 A.M. Overcast with dense fog. Light airs from S.S.E. Barometer steady. Aneroid 29.92.

Forum. Ensign

8 A.M. to Meridian. Foggy in early part of watch. Light breeze from S by E. Barometer rising. Clouds cirro-cumulus and cumulus. U.S.S. "Gannet" came into harbor and anchored. At 9.30 mustered and inspected crew at quarters and exercised 2d division at single sticks. 3d and Powder divisions at small arms, 1st division received oral instruction in gunnery. By order of Commanding Officer, J. C. Cobau (O.S.D.) is given seven first-watches for not putting money in mess. Aneroid barometer 29.92. Received on board from "Pensacola" Thos McAuliff (Sea Apprentice) and Gustave Soeber (Sea Apprentice).

Hart Roberts Lieut

Meridian to 4 P.M. Weather clear and pleasant. The flagship weighed anchor at 1.45 and left the harbor making signal (tel) 397 which was returned by signal (tel) 272. The senior officer's pennant was hoisted on board the "Hartford" at 2.45. Scraped and varnished strongbacks of quarter boat davits. "Hartford" made signal 29.84 at 3.00

Thos Lieut

4 to 8 P.M. Pleasant weather. Light breeze from S.S.E. Barometer steady. Cirro-cumulus and Cumulo-Stratus clouds. At 4.45 mustered at quarters. Aneroid barometer 29.90.

Hart Roberts Lieut

8 P.M. to Midnight. Weather overcast and pleasant. Light airs from S.E. and E.S.E., Barometer steady. Aneroid at end of watch 29.92.

Thos Lieut

Moon's mid Dec 14° 56' 35" N.
Phase. New moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE.	SSE.	1		29.96	70	69	68		ocno	nimb	0	S.	
2	"		SSE.	"	1		29.96	70	69	68		"	"	0	"	
3	"		"	"	1		29.93	70	69	68		"	"	0	"	
4	"		"	"	1		29.96	70	69	68		"	"	0	"	
5	"		"	"	1		29.99	70	69	68		oo	"	0	"	
6	"		"	Calm	0		30.00	70	69	68		"	"	0	"	
7	"		"	SSE.	1		30.00	70	69	68		bo	cir & nimb	2	"	
8	"		"	"	1		30.00	70	69	68		"	"	1	"	
9	"		"	"	1		30.00	70	69	68		"	"	1	"	
10	"		SxW.	SxW.	1		29.98	70	69	68		"	"	2	"	
11	"		"	Calm	0		30.00	70	69	68		"	"	1	"	
Noon.	"		"	"	0		29.98	72	69	68		"	"	1	"	

P. M.																
1	"		SSW.	SSW.	1		29.96	73	72	69		bcm	cir cum	2	"	
2	"		"	"	1		29.96	73	72	69		"	"	2	"	
3	"		"	S	1		29.94	73	72	69		"	"	3	"	
4	"		"	"	1		29.97	73	72	69		"	"	3	"	
5	"		"	SSW.	1		30.00	72	71	68		"	"	4	"	
6	"		"	"	1		30.00	72	70	67		"	"	4	"	
7	"		SW	SW.	1		30.00	71	70	67		"	"	4	"	
8	"		S	SSW	1		30.00	71	70	67		"	"	2	"	
9	"		SSE	SSE.	1		29.99	71	70	67		"	"	1	"	
10	"		"	"	1		29.98	71	70	67		"	"	1	"	
11	"		"	"	1		29.98	71	70	67		"	"	1	"	
Mid.	"		"	"	1		29.98	71	70	67		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 325 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 460 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 115 " 1436 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, February 13th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast cloudy and misty. Light airs from S & E. Barometer falling slightly. Aneroid barometer 29.86.

W M Emmi Master

4 to 8 A.M. Weather pleasant, Light airs from S & E. Barometer rising Cirrus and nimbus clouds. Received on board for use of crew 109 lbs of fresh beef, 109 lbs of vegetables and 87 loaves of bread. At 7.30 "Hartford" made signal 33 Pt. Answd. At 7.40 "Hartford" made signal (preparatory) No 6071 at 7.50 made signal No 6071. Answd and crossed royal yards. Aneroid barometer 29.91.

Karl Rohrer Lieut

8 A.M to Meridian. Weather cloudy and warm. Light variable airs and calms. Barometer steady. Exercised at general quarters at 9.30. At 10.00 made signal No 5180 and numeral 3. At 11.50 made telegraphic signal 6378. 0774. 8277. 0727. 870. "Hartford" answered 5637. Aneroid at end of watch 29.90.

P Rock Lieut

Meridian to 4 PM. Cloudy and slightly misty. Light airs varying from S & W. to South. At 12.33 made signal (int) 4561. "Hartford" answered 904. Made usual preparations for distilling. Started fires in two starboard forward boilers and commenced distilling. Aneroid barometer at the close 29.90.

W M Emmi Master

4 to 8 PM. Weather partly cloudy and warm. Light airs from S. and W. Barometer rising. Mustered at quarters at 4.45. At 6.10 the "Hartford" made signal 2985 and at 6.15 signal 6068. Sent down top gallant and royal yards at sunset. H B. M.S. "Garnet" left the harbor at 5.00. Aneroid at end of watch 29.91.

P Rock Lieut

8 P.M to Midnight. Cloudy and cool. Light airs from S & E. Distilling. Aneroid barometer at the close. 29.90.

W M Emmi Master

Moon's mid Examined and found to be correct.
Dec 17° 47' 47" N
Phase. New moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE×S	SE×S	1		29.98	69	69	67		bcuw	cirrus	3	S	
2	"		N×W	Calm	0		29.96	69	68	66		"	"	4	"	
3	"		"	"	0		29.94	69	68	66		"	"	4	"	
4	"		SW.	"	0		29.94	69	68	66		"	"	4	"	
5	"		"	"	0		29.93	67	68	66		"	"	6	"	
6	"		S	SSE	1		29.92	68	67	65		"	"	6	"	
7	"		SSE	"	1		29.92	68	67	65		"	"	2	"	
8	"		"	"	1		29.96	68	67	65		ocm	cumb	0	"	
9	"		"	Calm	0		29.98	69	69	68		"	"	0	"	
10	"		"	"	0		30.00	69	69	68		bcf	cirrus	2	"	
11	"		NNW	"	0		30.00	70	69	67		btw	"	6	"	
Noon.	"		SSE	SSE	1		30.00	70	70	68		bc	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water distilled during the preceding 24 hours	2700 "		
Water remaining on hand fit for use at Noon	2810 "		
Coal consumed during the preceding 24 hours	2 tons 2120 lbs.		
Coal remaining on hand at Noon	112 " 1556 "		

P. M.																
1	"		SSE	SSE	1		30.00	70	70	68		bc	cirrus	7	"	
2	"		S×W.	S×W.	1		29.91	72	70	68		"	"	5	"	
3	"		"	"	1		29.90	72	70	68		"	"	5	"	
4	"		"	"	1		29.90	72	70	68		"	"	3	"	
5	"		S×E	SSE	2		29.90	72	69	67		"	"	2	"	
6	"		"	"	2		29.92	71	68	67		"	cirrus	3	"	
7	"		"	"	1		29.95	71	68	67		"	"	2	"	
8	"		"	"	1		29.97	71	68	67		"	"	2	"	
9	"		"	"	1		29.99	71	68	67		"	cirrus	3	"	
10	"		"	"	1		29.99	71	68	67		"	"	5	"	
11	"		SE	SE	1		30.00	70	69	67		"	"	6	"	
Mid.	"		"	Calm	0		30.00	70	69	67		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, February 14th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Hazy, Pleasant, Light variable airs and calms, Aneroid 29.88. Distilling. Wainwright Kellogg 4th Sigt

4 to 8 A.M. Weather cloudy and foggy. Light airs from S.E. and E. and calms, At 7.25 the "Hartford" made signal 3361. and at 7.40 signal 6069. Crossed topgallant and royal yards at 7.45. Aneroid at end of watch 29.90. Chas Sigt

8 A.M to Meridian, Cloudy and misty, clearing latter part, Calm. At 9.30 went to quarters after which exercised divisions as per routine. At 10.35 made signal 5 To with numeral 3. At 10.55 made signal, (tel) 4904. 0631. 3720. 19. 1. 16. 16. 8. 15 and 4373 with Geographical 8155. Sent Gustav Sochr (Sea App) and Thomas McAuliff (Sea Asp.) on board the steamer to take passage for New York to be discharged from the U.S. Naval Service. Aneroid barometer at the close 29.84. W.W. Mannix Master

Meridian to 4 P.M. Weather cloudy and pleasant, Light breeze from S by W. Stopped distilling at 1.15, hauled fires and lowered smoke stack. Commanding Officer of H.B.M.S. "Sappho" made an official visit to the ship. At 3.25 "Hartford" made signal 2984. Mail Steamer for the North left the harbor. Aneroid 29.84. Wainwright Kellogg 4th Sigt

4 to 8 P.M. Pleasant weather, Light airs from S.S.E. At 4.40 went to quarters, and served out clean hammocks. At 4.50 "Hartford" made signal (general) 4881. At 5.00 "Hartford" made (prep) 6010 followed by 4881. Repeated to the "Onward" At 6.15 "Hartford" made 6068. At Sunset sent down topgallant and royal yards. Got up starboard harbor gratings. Aneroid barometer at the close 29.86. W.W. Mannix Master

8 P.M to Midnight, Hazy first part, clear remainder of watch Light airs from S.E. and Calms. Aneroid 29.88. Wainwright Kellogg Sigt

Moon 1 mid Dec 19° 33' 44" N
Phase. New moon.

Examined and found to be correct.

W. H. Parker
Sigt & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	N. E.			Calm	0		29.95	69	68	66		bc	cirrus	6	8	
2	"		"	"	0		29.94	68	67	66		"	"	6	"	
3	"		"	"	0		29.92	68	67	66		"	"	6	"	
4	"		"	"	0		29.92	68	67	66		oc	"	0	"	
5	"		"	"	0		29.92	68	67	66		"	"	0	"	
6	"		"	"	0		29.94	68	67	66		"	"	0	"	
7	"		"	"	0		29.96	69	68	67		"	"	0	"	
8.	"		"	SSE	1		29.98	69	68	67		bc	"	3	"	
9	"		ESE	"	1		29.96	69	68	65		"	"	4	"	
10	"		"	"	1		29.97	69	68	66		"	"	4	"	
11	"		SSE	"	1		29.97	69	68	66		"	"	5	"	
Noon.	"		"	"	1		29.95	69	68	66		"	"	5	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	290	"	
Water remaining on hand fit for use at Noon	2750	"	
Coal consumed during the preceding 24 hours	tons "	700	lbs.
Coal remaining on hand at Noon	112 "	856	"

P. M.																
1	"		South	South	1		29.92	70	69	67		bc	cir cumu & strat	6	"	
2	"		"	"	1		29.90	70	69	67		"	cir cumu	7	"	
3	"		SSE	SSE	1		29.90	71	71	68		"	"	7	"	
4	"		"	"	1		29.90	71	71	68		"	"	7	"	
5	"		"	"	1		29.90	71	71	68		"	"	8	"	
6	"		"	"	1		29.90	71	71	68		"	"	6	"	
7	"		"	"	1		29.90	71	70	68		"	"	6	"	
8	"		"	"	1		29.92	71	71	68		"	"	6	"	
9	"		"	"	1		29.92	70	69	67		bcu	cir-cumu & cumu	2	"	
10	"		"	"	1		29.93	70	69	67		"	"	2	"	
11	"		"	"	1		29.93	70	69	67		ocu	"	0	"	
Mid.	"		"	"	1		29.93	69	68	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, February 15th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant weather, overcast last hour. Calm, all the watch. Barometer falling slowly. Aneroid 29.86.

R. D. Dunn. Ensign

4 to 8 A.M. Overcast and cloudy. Calm. Scrubbed hammocks. At 7.30 "Hartford" made signal 0351, and at 7.40 signal (prep) 60 69. At 8 crossed topgallant and royal yards. Aneroid barometer 29.86.

W. W. Inman Master

8 A.M. to Meridian. Clear and pleasant. Light breeze from S.S.E. At 9.30 mustered at quarters; exercised 1st and Navigators divisions at single sticks and 3d and 2d divisions at great guns. By order of Commanding Officer, John F. McCann (Eds) was given ten first watches for neglecting bright work, and Charles Lloyd, (O.S.2d) seven first watches for inattention at studies and disobeying schoolmaster. Aneroid 29.82.

Wainwright-Kellogg 1st Lieut

Meridian to 4 P.M. Weather clear and mild. Light airs from South and S.S.E. Barometer steady. Aneroid 29.82. At 3.30 "Hartford" made general signal 3918.

R. D. Dunn. Ensign

4 to 8 P.M. Misty. Pleasant. Light breeze from S.S.E. At 4.45 mustered at quarters and turned in clean hammocks. At 6.15 "Hartford" made signal 2985, at 6.18 signal 6140. At 6.30 sent down topgallant and royal yards and masts. Aneroid 29.86.

Wainwright-Kellogg 1st Lieut

8 P.M. to Midnight. Cloudy first part, overcast and misty last part of watch. Moon shining through clouds at intervals. Light airs from S.S.E. Barometer steady. Aneroid 29.88.

R. D. Dunn. Ensign

Moon's mid Dec 20° 11' 00" N. Phase. New moon

Examined and found to be correct.

W. T. Sampson
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E	S E.	1		29.96	70	69	67		ocmw	nimb	0	S.	
2	"		"	"	1		29.96	69	69	67		"	"	0	"	
3	"		"	"	1		29.94	69	69	67		ocm.	"	0	"	
4	"		"	Calm	0		29.92	69	68	66		"	"	0	"	
5	"		S S W.	"	0		29.91	69	68	66		bcm	"	1	"	
6	"		"	"	0		29.91	69	68	66		"	"	1	"	
7	"		"	"	0		29.94	69	68	66		ocm	"	0	"	
8	"		"	"	0		29.94	69	68	66		"	"	0	"	
9	"		W b W	W. b. W.	1		29.96	69	68	65		"	Cirrus	0	"	
10	"		"	West	1		29.98	70	68	66		"	"	0	"	
11	"		W.	"	1		29.97	71	69	67		bc	"	4	"	
Noon.	"		"	Calm	0		29.98	71	69	67		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 24 00 "

Coal consumed during the preceding 24 hours — tons 3 00 lbs.

Coal remaining on hand at Noon — 112 " 656 "

P. M.																
1	"		S S W	Calm	0		29.95	71	70	68		bc	cirrum	6	"	
2	"		N W b N	N.	1		29.95	71	71	68		"	"	6	"	
3	"		S S E	S S E.	1		29.95	72	71	69		"	"	4	"	
4	"		"	"	1		29.93	73	72	69		"	"	4	"	
5	"		"	"	1		29.92	72	72	69		"	"	4	"	
6	"		S E b S.	S E b S	1		29.94	73	70	69		"	"	5	"	
7	"		"	"	1		29.95	72	69	67		"	cu. str	2	"	
8	"		"	"	1		29.96	72	69	67		bcm	cirrum	6	"	
9	"		S E.	S E	1		29.98	72	69	67		"	"	5	"	
10	"		"	"	1		30.00	72	69	67		"	"	3	"	
11	"		"	"	1		30.00	71	69	67		"	"	1	"	
Mid.	"		"	"	1		29.99	70	68	66		ocm	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, February 16th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, Light breze from S.E. Barometer falling. Aneroid barometer 29.84.

Karl Rohrer Sinit

4 to 8 A.M. Cloudy. Misty. Light variable airs and calms. At 7.40 "Hartford" made signal 6069. At 7.44 sent up topgallant masts and topgallant and royal yards. Aneroid 29.92.

Wainwright-Kellogg WK Sinit

8 A.M. to Meridian. Overcast and misty first part, clearing latter part of watch. Light airs from W.N.W and West. Barometer rising slowly. Aneroid 29.92 at noon. At 9.30 inspected at quarters and at 9.34 called away boats armed and equipped for landing. All boats were reported ready in 6min 51sec. Exercised boats in fleet boat tactics. Made preparations for painting ship outside. Engineers force engaged in disconnecting engines. Hoisted out sailing launch.

H.S. Winn Ensign

Meridian to 4 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light airs from N. to S.S.E. Unemployed in painting ship outside. At 3.30 "Hartford" made signal 2984. Aneroid barometer 2985.

Karl Rohrer Sinit

4 to 8 P.M. Cloudy but pleasant. Light airs from S.E. by S. and S.S.E. Barometer rising. Aneroid 29.90. At 6.15 "Hartford" made general signal (prep.) 6070. Sent down royal yards.

H.S. Winn. Ensign

8 P.M. to Midnight. Weather pleasant. Barometer steady. Light breze from S.E. Cirro-cumulus clouds. A bark rigged man-of-war came into the harbor and anchored off our port bow. Aneroid barometer 29.90.

Karl Rohrer Sinit

Mon'l. mid
Dec 19° 41' 06" N
Phare Spritsquarters

Examined and found to be correct.

W. T. Peake
Sinit & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.S.E.	S.S.E.	1		29.96	69	68	66		ocm	pimb	0	S	
2	"		"	"	1		29.95	67	68	66		"	"	0	"	
3	"		"	"	1		29.94	68	67	65		bcm	circum	3	"	
4	"		S.E.	"	1		29.94	67	66	65		ocfd	pimb	0	"	
5	"		"	S.E.	1		29.95	67	66	65		ocm	"	0	"	
6	"		"	"	1		29.97	67	66	65		of	None	0	"	
7	"		"	"	1		29.99	68	67	66		"	"	0	"	
8	"		"	"	1		30.00	67	67	66		"	"	0	"	
9	"		S.×W.	Calm	0		30.00	69	67	66		"	"	0	"	
10	"		S.	"	0		30.00	70	69	68		bc	circum	4	"	
11	"		"	S.	1		30.00	71	70	68		"	"	4	"	
Noon.	"		S.S.W.	S.S.W.	1		30.00	71	70	68		"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2100	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	112 " 256	"	

P. M.															
1	"		S.	S.	1	29.99	71	69	67		bc	Cir Cum	1	"	
2	"		"	"	1	29.98	71	69	67		"	"	2	"	
3	"		S.S.E.	S.S.E.	1	29.96	72	70	68		"	"	1	"	
4	"		"	"	2	29.96	72	70	68		"	"	3	"	
5	"		"	"	3	29.94	71	69	66		"	Cir Cum Cum	2	"	
6	"		"	"	3	29.92	71	68	66		"	"	2	"	
7	"		"	"	3	29.92	71	69	67		"	"	3	"	
8	"		S.E.	S.E.	3	29.93	71	69	67		"	"	3	"	
9	"		"	"	2	29.94	71	69	67		"	"	2	"	
10	"		"	"	2	29.95	71	69	67		"	"	6	"	
11	"		"	"	2	29.95	71	69	67		"	"	6	"	
Mid.	"		S.S.E.	S.S.E.	2	29.96	71	69	67		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, February 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and misty. Light airs from S.S.E. Barometer steady, Aneroid 29.92.

C. F. Cox Lieut

4 to 8 A.M. Overcast and misty with thick fog. Light airs from S.E. Barometer rising. Aneroid 29.94. Rec'd in Pay Department 107 lbs fresh beef and vegetables, and 85 loaves of bread.

H. O. Dunn. Ensign.

8 A.M. to Meridian. Weather pleasant; foggy in early part of watch clearing up in latter part, Light breeze from S. Barometer steady, Cirro-cumulus clouds. Sent an officer with the usual offer of facilities on board the man of war which came in last night which proved to be the Chilian gunboat "Chacabuco" from Payta At 9.30 mustered crew at quarters. At 9.46 made signal, telegraphic, Nos 4904, 0631, 2432, 3, 8, 1, 3, 1, 2, 21, 3, 15, 4373 and geographic 8185. At 10.00. made signal No 5180 and numeral No 4, Aneroid barometer 29.94.

Hal Rohrer, Jr. Lieut

Meridian to 4 P.M. Weather cloudy and pleasant, Light airs from S. and E., Barometer falling. Aneroid at end of watch 29.92

C. F. Cox Lieut

4 to 8 P.M. Weather pleasant, Clouds cirro-cumulus and cumulus, Light to gentle breeze from S.S.E. Barometer falling. A Chilian steamer came in and anchored and another went to sea, Aneroid barometer 29.87.

Hal Rohrer, Jr. Lieut

8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight, Light airs from S. and E., Aneroid 29.89.

C. F. Cox Lieut

Moon's mid Examined and found to be correct.
Dec. 18° 09' 55" N
Phase. 1st quarter

W. T. Pashley
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE.		SSE	1		29.96	68	67	66		b c m	cir-cum	7	S	
2	"		"	"	1		29.95	69	67	66		"	"	6	"	
3	"		SE.	SE.	1		29.94	69	68	66		"	"	3	"	
4	"		"	calm	0		29.94	69	67	66		o c f d	"	0	"	
5	"		SSE	SSE	1		29.93	68	67	65		"	cir cum / cum	0	"	
6	"		"	SE	1		29.93	68	67	65		"	"	0	"	
7	"		"	SSE	1		29.96	68	67	65		b c	"	1	"	
8	"		"	"	1		29.97	68	66	64		"	"	1	"	
9	"		"	"	1		29.99	68	66	65		b c f	cir cum	7	"	
10	"		"	"	1		30.00	68	68	66		b c	"	9	"	
11	"		"	"	1		30.00	68	68	66		"	"	9	"	
Noon.	"		SxE	SxE	1		30.00	69	68	66		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 310 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1790 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 111 " 2196 "

P. M.																
1	"		SSE.	SSE	1		29.95	70	68	66		b c	cir cum	9	"	
2	"		"	"	1		29.94	70	68	66		"	"	9	"	
3	"		"	"	1		29.91	71	69	67		"	"	9	"	
4	"		"	"	1		29.91	73	70	68		"	"	9	"	
5	"		"	"	2		29.90	74	73	70		"	"	8	"	
6	"		"	"	2		29.91	74	71	69		"	"	8	"	
7	"		"	"	1		29.92	74	71	69		"	cir str	7	"	
8	"		"	"	1		29.94	73	71	69		"	"	6	"	
9	"		"	"	1		29.98	73	70	69		"	cir cum	9	"	
10	"		"	"	1		30.00	72	70	68		"	"	5	"	
11	"		"	"	1		30.00	71	70	68		"	"	8	"	
Mid.	"		"	"	1		30.00	70	69	67		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, February 18th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy and misty. Light airs from S.S.E. to S.E. Aneroid 29.89.

W. M. Imm Master

4 to 8 A.M. Foggy. Rising barometer. Light breze from S.E. to S.S.E. Cirro-cumulus and cumulus clouds. Received on board for use of crew 107 lbs of fresh beef, 107 lbs vegetables and 85 loaves of bread, Aneroid barometer 29.90.

Thos Rohrer, Jr. Lieut

8 A.M. to Meridian. Weather foggy at beginning of watch, afterwards clear and pleasant, Light airs from S.S.E. Barometer rising. The Commanding Officer inspected the ship and crew at quarters at 9.30, At 10.00 made signal 5180 and numeral 4. Aneroid at end of watch 29.92.

[illegible] Lieut

Meridian to 4 P.M. Weather clear and pleasant, Light airs from S.S.E. Cirro-cumulus clouds, Barometer falling slightly, Aneroid at end of watch 29.82.

W. W. Imm Master

4 to 8 P.M. Weather clear and pleasant, Light airs from S.S.E. Barometer steady, Got in launch at 5.40. Mustered at quarters at 5.45. Aneroid at end of watch 29.86.

[illegible] Lieut

8 P.M. to Midnight, Clear and pleasant, Bright moonlight Light airs from S.S.E. Aneroid barometer at the close 29.90.

W. W. Imm Master

Moon l. mid
Dec 15° 46' 04" N.
Phase. First quarter.

Examined and found to be correct.

W. H. Parker
Lieut S Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.98	70	68	66		bo	Cirrus	8	S	
2	"		"	"	1		29.97	70	68	66		"	"	6	"	
3	"		"	"	1		29.97	70	68	66		"	"	4	"	
4	"		"	"	1		29.96	70	68	66		"	"	2	"	
5	"		"	"	1		29.96	70	68	66		"	"	2	"	
6	"		SE.	SE	1		29.96	70	68	66		"	"	1	"	
7	"		"	SSE.	1		29.98	70	68	66		"	"	1	"	
8	"		"	"	1		30.00	71	68	67		"	"	1	"	
9	"		SSE.	"	2		30.00	70	68	67		"	"	2	"	
10	"		"	"	2		30.00	71	69	67		"	"	6	"	
11	"		"	"	2		30.00	71	70	68		"	"	8	"	
Noon.	"		S	SSW.	2		29.98	71	70	68		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1460	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	111 "	1896 "	

P. M.																
1	"		SSE	SSE	1		29.97	72	71	69		bo	Cirrus	8	"	
2	"		S	S.	2		29.97	72	72	69		"	"	8	"	
3	"		"	"	2		29.92	72	72	69		"	"	8	"	
4	"		S×E.	S×E.	2		29.92	71	71	68		"	"	9	"	
5	"		SSE	SSE	2		29.90	76	71	68		"	"	9	"	
6	"		"	"	2		29.90	74	71	68		"	"	9	"	
7	"		"	S×E	3		29.92	73	71	68		"	"	9	"	
8	"		"	"	3		29.92	73	71	68		"	"	9	"	
9	"		"	"	3		29.94	72	69	66		"	"	8	"	
10	"		"	SSE	3		29.96	72	68	66		"	"	8	"	
11	"		"	"	3		29.98	71	68	66		"	"	8	"	
Mid.	"		S	"	3		29.98	71	68	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, February 19th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Sight airs from S.S.E. Aneroid 29.88.

Wainwright Kellogg
OOK Lieut

4 to 8 A.M. Weather overcast and pleasant, Sight airs from S.S.E. Barometer rising. At 7.30 the "Hartford" made signal No 1684. Ans. 5607. At 7.45 the "Hartford" made preparatory signal 6071. Crossed royal yards at 7.55. Aneroid 29.92.

Lieut

8 A.M. to Meridian. Clear and pleasant. Sight breze from S.S.E. Went to quarters at 9.30 and mustered the crew after which exercised the divisions as per routine. Got out a target at 200 yards on starboard beam to exercise crew of 60 pdr with rifle attachment to that gun. The "Sappho" got underway at 11.00 and stood over, under sail to anchorage in the harbor. At 10.00 made signal 5180 with numeral 3. Aneroid barometer at end of watch 29.88.

W.M. Inman
Master

Meridian to 4 P.M. Clear and warm. Sight breze from S.S.E. At 2.00 made signal 5494. At 3.30 Hartford made signal 29.84. Mail arrived from U.S. Aneroid 29.88.

Wainwright Kellogg
OOK Lieut

4 to 8 P.M. Pleasant weather. Sight to gentle breeze from S.S.E. Went to quarters at 4.45. At 6.10 "Hartford" made signal (general) 60 80. Answered. At sunset sent down royal yards. Aneroid barometer 29.88.

W.M. Inman
Master

8 P.M. to Midnight. Clear and pleasant, Light airs from S.S.E. Bright moonlight. Aneroid 29.90.

Wainwright Kellogg
OOK Lieut

Moon l mid
Dec 12° 46' 31" N
Phase. First quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S×E	S×E.	1		29.99	70	67	66		bc	cir cumu	8	S	
2	"		S S E	S S E.	1		29.98	69	67	66		"	Cús	9	"	
3	"		"	"	1		29.95	69	67	66		"	"	9	"	
4	"		"	"	1		29.95	69	67	66		"	cir cumu	7	"	
5	"		"	"	1		29.96	70	69	66		oc	"	0	"	
6	"		"	"	1		29.96	70	67	66		"	"	0	"	
7	"		S	Calm	0		30.00	69	67	65		ocf	"	0	"	
8	"		"	"	0		30.00	69	67	65		"	"	0	"	
9	"		S S E	S S E.	1		30.00	69	68	66		ocm	"	0	"	
10	"		S	S	1		30.02	70	68	66		"	"	0	"	
11	"		"	"	1		30.00	72	69	67		"	"	0	"	
Noon.	"		"	"	1		29.98	72	69	67		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ′ ″
Longitude by D. R. at Noon — ° ′ ″
Latitude by Observations at Noon ⊙ — ° ′ ″
Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″
Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″
Water expended during the preceding 24 hours — 320 gallons.
Water — during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1140 "
Coal consumed during the preceding 24 hours — tons 300 lbs.
Coal remaining on hand at Noon — 111 " 1596 "

P. M.																
1	"		S S E	Sail	1		29.97	70	69	67		bc	cir cumu	3	"	
2	"		"	S S E.	3		29.98	71	69	67		"	"	3	"	
3	"		"	"	3		29.98	73	70	67		"	"	8	"	
4	"		"	"	2		29.97	73	70	68		"	"	8	"	
5	"		"	"	1		29.98	74	70	68		"	"	8	"	
6	"		"	"	2		29.98	73	69	67		"	"	8	"	
7	"		"	"	2		29.98	72	68	66		"	"	8	"	
8	"		"	"	2		29.98	71	68	66		"	"	8	"	
9	"		"	"	2		29.98	72	69	67		"	cir	9	"	
10	"		"	"	1		30.00	72	68	66		"	"	9	"	
11	"		"	"	1		30.00	70	68	66		"	"	9	"	
Mid.	"		"	"	1		30.00	70	68	66		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″
Longitude by Chronometer from Observations * — ° ′ ″
Variation of the Compass by Amplitude observed at sunset — ° ′ ″
Variation of the Compass by at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday February 20th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Bright moonlight. Light airs from S.S.E. Barometer falling. Aneroid 29.88.

H.O. Dunn. Ensign.

4 to 8 A.M. Overcast cloudy and foggy, clearing latter part. Calm and light airs from S.S.E. At 7.30 "Hartford" made signal 3351. Aneroid barometer 29.95.

W.M. Smith
Master.

8 A.M until Meridian. Misty. Pleasant, Light airs from S.S.E. At 8.45 made signal (Int) 5456. "Hartford" answered 904. At 9.30 mustered at quarters: exercised 1st and Navigators divisions and Marine guard with small arms, 2d division at great guns and 3d and Powder divisions at single sticks. H.B.M.S. "Sappho" left the harbor. G. W. Jones (O.S.2cl.) was given seven first watches for leaving boat without permission while boat keeper. by order of Commanding Officer. Aneroid 29.92.

Wainwright-Kellogg
for Lieut

Meridian to 4 P.M. Cloudy but pleasant, Gentle to light breeze from South to S.S.E. Barometer steady. Aneroid 29.92. At 1.00 made general signal. (Int) 4826 and furled sails.

H.O. Dunn. Ensign

4 to 8 P.M. Clear. Pleasant, Light breeze from S.S.E. At 4.45 mustered at quarters, At 6.45 Chilian Ironclad came in and anchored. Aneroid 29.96.

Wainwright-Kellogg
for Lieut

8 P.M to Midnight, Clear pleasant weather. Bright moonlight. Light airs from S.S.E. Barometer steady. Aneroid 29.92.

H.O. Dunn Ensign

Moon's mid Examined and found to be correct.
Dec 9° 04' 20" N
Phase. First quarter.

W. H. Parker
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	3		29.97	70	68	66		bcm	cirrocum	2	S.	
2	"		"	"	3		29.96	69	68	66		ocfd	nimb	0	"	
3	"		"	"	3		29.96	69	68	66		"	"	0	"	
4	"		ESE	"	2		29.96	69	67	66		bc	cir-cum 3 cum	3	"	
5	"		SE.	SE	1		29.99	69	67	66		of	none	0	"	
6	"		"	"	1		30.00	68	67	66		"	none	0	"	
7	"		"	"	1		30.00	68	67	66		ocf	nimb	0	"	
8	"		"	"	1		30.02	68	67	66		"	"	0	"	
9	"		S×E	S×E.	1		29.99	70	67	66		bo	cir-cum	6	"	
10	"		SSW.	SSW.	1		30.02	70	69	68		"	"	7	"	
11	"		"	"	1		30.02	70	69	68		"	"	4	"	
Noon.	"		S.	S.	1		30.02	71	69	68		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	310	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	830	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	111 "	1296	"

P. M.																
1	"		S×E	S×E	1		30.01	73	71	69		bcm	cir-cum	6	"	
2	"		"	"	1		30.00	73	71	69		"	"	6	"	
3	"		"	"	1		29.98	74	72	70		"	"	4	"	
4	"		"	"	1		29.96	74	72	70		"	"	4	"	
5	"		SSE	SSE	2		29.97	73	71	68		bc	cir-cum 3 cum	3	"	
6	"		"	S	2		29.98	73	70	68		"	"	3	"	
7	"		"	"	2		29.98	73	69	67		"	"	3	"	
8	"		"	"	2		29.98	73	69	67		"	"	2	"	
9	"		"	"	2		30.00	71	69	67		"	"	3	"	
10	"		"	"	1		30.02	72	69	67		"	"	1	"	
11	"		"	"	1		30.02	70	69	67		"	"	1	"	
Mid.	"		S.	"	1		30.02	70	69	67		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, February 21st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant in early part of watch but damp and foggy in latter part. Gentle breeze from S & E. Barometer steady. Cirro-cumulus, cumulus and nimbus clouds. Aneroid bar. 29.90

Hart Rohrer, CR Smith

4 to 8 A.M. Foggy. Light airs from S.E. Aneroid 29.95. Received on board 107 lbs of fresh beef and vegetables and 85 loaves of bread for ships company.

Wainwright Kellogg Lt Smith

8 A.M to Meridian. Cloudy but warm and pleasant. Light airs from S & W. Barometer rising slowly. Aneroid 29.96. At 8.10 sent an Officer to board the Chilian ironclad "Cochrane". At 10.20 made numeral signal 5180 and numeral 3. At 10.30 made the following telegraphic signals to "Hartford." 4904. 0631. 2432. 13. 15. 3. 8. 1. 14. 5. 4373 and geographical 0508. By order of Commanding Officer, H. H. Wilson, (Ss App.) was given two first-watches for not being in boat while boat keeper. Mustered at quarters at 9.30 and drilled divisions as per routine.

H. O. Dunn. Ensign

Meridian to 4 P.M. Weather pleasant though rather warm. Barometer falling. Cirro-cumulus clouds. Light breeze from S.E. The Commanding Officer of the Chilian ironclad "Cochrane" visited the ship Officially. At 3.20 "Hartford" made signal No 2984. Answered. Aneroid barometer 29.88.

Hart Rohrer Smith

4 to 8 P.M. Cloudy but pleasant weather. Light breeze from S.E. and South. Barometer steady. Aneroid 29.92. Hoisted out steam cutter and sailing launch.

H. O. Dunn Ensign

8 P.M to Midnight. Weather pleasant. Light breeze from South. Barometer steady. Clouds cirro-cumulus and cumulus. Aneroid barometer 29.95.

Hart Rohrer Smith

Moon's mid Dec 6° 08' 27" N
Phase. First quarter

Examined and found to be correct.

W. H. Parker Smith Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.02	70	68	66		bcu	cir cumu	1	S	
2	"		"	"	2		30.01	70	67	66		"	"	1	"	
3	"		"	"	1		30.01	70	67	66		"	"	1	"	
4	"		"	"	1		30.00	70	67	66		"	"	3	"	
5	"		"	"	2		30.00	69	68	66		"	cir cumu 3 cumu	3	"	
6	"		SE	SSE	2		30.00	69	68	66		"	"	3	"	
7	"		"	SE.	2		30.03	69	68	66		"	"	3	"	
8	"		SSE.	SSE	2		30.06	69	67	65		"	"	3	"	
9	"		"	ESE	2		30.06	70	68	66		oc	"	0	"	
10	"		"	"	2		30.06	70	68	66		bc	"	0	"	
11	"		S.	S	2		30.04	71	69	67		"	cir cumu	6	"	
Noon.	"		"	"	2		30.04	72	70	68		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 480 "

Coal consumed during the preceding 24 hours tons 900 lbs.

Coal remaining on hand at Noon 111 " 396 "

P. M.																
1	"		SxE	SSE	2		30.00	72	70	67		bcu	cir cumu	5	"	
2	"		"	SxE	2		29.98	72	70	67		"	"	4	"	
3	"		"	"	2		29.96	73	70	67		"	"	3	"	
4	"		S	"	3		29.94	73	70	67		"	"	4	"	
5	"		SSE.	SSE	3		29.98	73	69	67		"	"	4	"	
6	"		"	"	3		29.98	72	69	66		"	"	4	"	
7	"		"	"	3		29.98	71	68	66		"	"	4	"	
8	"		"	"	3		29.98	71	68	66		"	"	6	"	
9	"		"	"	2		29.99	71	68	66		bc	"	5	"	
10	"		S	S	2		30.01	71	68	66		"	"	6	"	
11	"		SxE	SxE	2		30.01	70	67	65		"	"	7	"	
Mid.	"		"	"	2		30.00	70	67	65		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, February 22d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Light airs from S.S.E. Aneroid at end of watch 29.94.

C. Rees Lieut

4 to 8 A.M. Cloudy with light mist. Light breze from S.E. to S.S.E. Barometer steady at 30.00. Aneroid 29.95. At Sunrise dressed ships "rainbow" with national ensigns at mast heads in honor of "Washington's birthday

H. Edwards. Ensign

8 A.M. to Meridian. Weather clear and pleasant. Barometer steady. Cirro-cumulus and cumulus clouds. Light breze from E.S.E. to S. At 9.30 mustered and inspected crew at quarters. At 10 made signal No 5180, and signal numeral No. 3. Aneroid barometer 29.94.

Karl Rohrer, Lieut

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light breze from S.S.E. and S by E. At Meridian the "Hartford" "Trenton" "Lancaster" and the Chilian ironclad "Cochrane" fired national salutes in honor of Washington's birth day. Aneroid at end of watch 29.80.

C. Rees Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Gentle breze from S.S.E. At 6.30 made signal (interrogatory) No 4561. Started fires under two boilers for distilling at 7.10. Aneroid barometer 29.92.

Karl Rohrer, Lieut

8 P.M. to Midnight, Weather clear and pleasant. Bright moonlight. Barometer steady. Distilling. Aneroid at end of watch 29.93.

C. Rees Lieut

Moon's mid. Examined and found to be correct.
Dec. 1° 03' 06" N
Phase. First quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE.	1		29.98	70	67	65		bc	cirrus	7	8	
2	"		"	"	1		29.96	70	67	65		ocu	"	0	"	
3	"		"	"	1		29.96	70	67	65		"	"	0	"	
4	"		"	"	1		29.96	70	67	65		of	none	0	"	
5	"		"	"	1		29.98	69	66	65		"	"	0	"	
6	"		"	"	1		29.99	69	66	65		"	"	0	"	
7	"		"	SE	1		30.00	69	66	65		"	"	0	"	
8	"		"	"	1		30.00	69	66	65		"	"	0	"	
9	"		"	SSE.	1		30.05	69	67	66		bcu	cirrus	3	"	
10	"		"	"	1		30.05	69	68	66		"	"	3	"	
11	"		"	"	1		30.05	70	68	66		"	"	5	"	
Noon.	"		SSW.	"	1		30.03	70	69	66		bc	"	8	"	

P. M.																
1	"		S	S	1		30.01	71	70	67		bc	cirrus	7	"	
2	"		"	"	2		30.00	71	70	67		"	"	7	"	
3	"		"	"	2		30.00	71	70	67		"	"	5	"	
4	"		S×E.	S×E.	2		30.00	70	69	66		"	"	3	"	
5	"		SSE	SSE	2		29.98	71	69	66		"	"	11	"	
6	"		"	"	2		29.98	71	69	66		"	cirrus Cumu	3	"	
7	"		"	"	2		29.98	70	69	66		"	"	3	"	
8	"		"	"	2		29.98	70	69	66		"	"	3	"	
9	"		"	"	3		30.00	70	68	66		"	cirrus	6	"	
10	"		"	"	3		30.00	70	68	66		"	"	8	"	
11	"		"	"	3		30.00	69	67	66		"	"	8	"	
Mid.	"		"	"	3		30.00	69	66	65		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 1570 "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — 2 tons 620 lbs.

Coal remaining on hand at Noon — 108 " 2016 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. C. McCormick, U. S. Navy,

Friday, February 23d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty getting thicker last hour. Light breze from S.S.E. Distilling. Aneroid bar. 29.92

W.W. Sumner Master

4 to 8 A.M. Weather foggy. Light breze from S.S.E to S.E. Barometer rising. Distilling fresh water. Aneroid barometer 29.96

Karl Rohwer Lieut

8 A.M to Meridian. Weather foggy at beginning of watch. afterwards clear. Sent an officer to return thanks for courtesies of foreign men of war in observing Washingtons Birthday. Exercised at fire quarters at 9.30. Exercised signal class. At 10. made 5780 and pennant 3. At 10.10 made telegraphic signal 4904. 7928. 9271. 9409. 2432. 629. 4339. 8382. Aneroid at end of watch 29.96.

J.R. Lee Lieut

Meridian to 4 P.M. Pleasant weather, clouding over latter part. Light southerly breze. At 3.25 "Hartford" made signal (general) 2984 Answered. Distilling. Aneroid barometer 29.93.

W.W. Sumner Master

4 to 8 P.M. Weather clear and pleasant. Gentle breze from S.S.E. Barometer steady. Aneroid at end of watch 29.92.

J.R. Lee Lieut

8 P.M to Midnight. Clear delightful weather, bright moonlight. Gentle breze from S.S.E. Moderate swell from seaward, and ship rolling easily. Finished distilling at 9.15 and hauled fires. Aneroid barometer 29.92.

W.W. Sumner Master

Moon I mid
Dec 3° 02′ 15″ S.
Phase First quarter

Examined and found to be correct.

W. H. Lassiter Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE		SSE	SSE	2		30.00	69	66	64		bc	cirrus	8	8	
2	"		"	"	2		29.99	68	65	64		"	"	7	"	
3	"		S×E	S×E	1		29.99	68	65	64		"	"	7	"	
4	"		"	"	1		29.99	68	65	64		"	"	6	"	
5	"		"	"	1		29.99	68	65	64		"	"	6	"	
6	"		"	"	1		29.99	68	65	64		"	"	6	"	
7	"		"	"	1		29.99	68	65	64		"	"	11	"	
8	"		S	S	1		30.00	69	66	65		"	"	7	"	
9	"		SSE	SSE	1		30.02	70	68	66		"	"	7	"	
10	"		"	"	1		30.04	70	69	67		"	"	6	"	
11	"		"	"	1		30.04	71	70	67		"	"	6	"	
Noon.	"		S	S	1		30.03	71	70	67		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1500 "

Water remaining on hand fit for use at Noon 2850 "

Coal consumed during the preceding 24 hours 1 tons 360 lbs.

Coal remaining on hand at Noon 107 " 1656 "

P. M.															
1	"		S	S	2		30.00	71	69	66		bc	cirrus	8	"
2	"		"	"	2		30.00	71	70	66		"	"	8	"
3	"		SSE	SSE	3		29.98	70	69	66		"	"	8	"
4	"		"	"	3		29.97	70	69	66		"	"	8	"
5	"		"	"	3		29.98	72	69	66		"	"	8	"
6	"		"	"	3		29.98	71	69	66		"	"	8	"
7	"		"	"	2		29.99	71	68	65		"	cumulus	7	"
8	"		"	"	2		30.00	71	68	65		"	"	8	"
9	"		"	S×E	2		30.00	71	68	66		bcm	cirrus	8	"
10	"		"	"	2		30.00	71	68	66		"	"	7	"
11	"		"	"	2		29.99	71	68	66		"	"	7	"
Mid.	"		"	"	1		29.98	70	68	66		"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. February 24th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S^th and E^st. Bright moonlight. Aneroid 29.90.
Wainwright-Kellogg 1st Lieut

4 to 8 A.M. Weather clear and pleasant. Light breze from S by E. Barometer steady. At 7.30 the "Hartford made signal 3851. Aneroid 29.99
Baker Lieut

8 A.M to Meridian. Pleasant weather. Light breze from S.S.E. Went to quarters at 9.30 and inspected the crew. At 10^m made signal 5180 with numeral 2, "Hartford" answered. Aneroid barometer 29.91.
W. W. Smm Master

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling slowly. Aneroid at end of watch 29.90. Mail left for the U.S.
Wainwright-Kellogg 1st Lieut

4 to 8 P.M. Clear and pleasant. Gentle breze from S.S.E. Went to quarters at 4.45 and mustered the crew. Aneroid barometer 29.93
W. W. Smm Master

8 P.M to Midnight. Clear and pleasant. Light breze from S^th and E^st. Bright moonlight. Aneroid 29.90.
Wainwright-Kellogg 1st Lieut

Moon's mid Dec 6° 58' 54" S
Obsrv. 1st quarter

Examined and found to be correct.

W. H. Page Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	3		29.95	68	67	65		ocw	nimb	0	S.	
2	"		"	"	3		29.96	68	66	65		"	"	0	"	
3	"		"	"	2		29.95	68	66	65		"	"	0	"	
4	"		SSW.	"	2		29.95	68	66	65		"	"	0	"	
5	"		"	Calm	0		29.96	68	67	65		"	"	0	"	
6	"		"	SSW.	1		30.00	67	66	64		"	"	0	"	
7	"		"	"	1		30.00	67	64	64		"	"	0	"	
8	"		"	"	1		30.00	67	66	64		"	"	0	"	
9	"		WSW.	WSW.	1		30.01	67	66	64		"	"	0	"	
10	"		W.	W.	1		30.01	68	66	64		bcm	"	1	"	
11	"		"	"	1		30.00	70	68	66		"	"	2	"	
Noon.	"		"	"	1		30.00	70	68	66		"	"	3	"	

P. M.																
1	"		SSW	SSW.	1		29.98	70	68	66		bcy.	cirrus	7	"	
2	"		"	SxW	1		29.96	70	69	66		"	"	6	"	
3	"		"	"	1		29.94	70	68	66		"	"	5	"	
4	"		"	"	1		29.94	71	68	66		"	"	7	"	
5	"		SE	SE	1		29.96	72	68	66		"	"	8	"	
6	"		"	"	1		29.98	72	68	65		bc	"	8	"	
7	"		"	"	2		30.00	70	67	65		"	"	8	"	
8	"		"	"	1		30.03	70	67	65		"	"	8	"	
9	"		"	"	1		30.03	70	67	65		"	"	8	"	
10	"		"	"	1		30.02	70	67	65		"	"	8	"	
11	"		"	"	1		30.02	70	67	65		"	"	9	"	
Mid.	"		"	"	1		30.02	70	67	65		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 107 " 1356 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Sunday. February 25th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty. Gentle to light breeze from S.S.E. Barometer steady. Aneroid 29.98.
H.O. Dunn, Ensign.

4 to 8 A.M. Overcast cloudy and misty. Calm first hour, light airs from S.S.W. remainder of watch. Received on board for use of ship's company 107 lbs. fresh beef and vegetables and 85 loaves of bread. Aneroid barometer 29.94.
W.M. Dunn
Master

8 A.M. to Meridian. Hazy Sultry. Light variable airs. At 9.30 mustered at quarters. Aneroid 29.92.
Winnington-Kellogg
Lieut

Meridian to 4 P.M. Clear mild weather with light haze. Light airs from S.S.W. and S. by W. Barometer falling. Aneroid 29.98. at end of watch.
H.O. Dunn Ensign.

4 to 8 P.M. Hazy. Clear last two hours. Light airs from S.S.E. Aneroid 29.95.
Winnington-Kellogg
Lieut

8 P.M. to Midnight. Clear pleasant weather. Moon rose at 8.50 Light airs from S.S.E. Barometer steady. Aneroid 29.96.
H.O. Dunn Ensign

Moon's mid Dec. 10° 38' 32" S. Phase. 1st Quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Peru", 3d Rate, 6 Guns,
Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E.	1		30.01	69	67	65		bcm	cir cum	7	S	
2	"		"	Calm	0		29.99	69	68	66		"	"	4	"	
3	"		"	"	0		29.99	69	68	66		"	"	1	"	
4	"		"	S E x S.	1		30.00	69	68	66		"	"	1	"	
5	"		E S E.	E.S.E.	1		30.00	68	68	66		bcz	"	2	"	
6	"		"	Calm	0		30.00	68	67	65		"	"	3	"	
7	"		"	E S E.	1		30.04	69	68	66		"	"	3	"	
8	"		S E	"	2		30.05	69	68	66		bc	cir cum s cum	5	"	
9	"		"	S E.	1		30.05	69	69	66		"	"	6	"	
10	"		"	"	1		30.03	71	71	68		"	"	8	"	
11	"		"	"	1		30.03	71	71	68		"	cir cum	8	"	
Noon.	"		S S E.	S S E	1		30.03	71	71	68		"	"	9	"	

P. M.																
1	"		S.	S.	2		30.00	72	71	68		bc	cir cum	9	"	
2	"		"	"	2		30.00	72	71	68		"	"	6	"	
3	"		"	"	2		29.96	72	71	68		"	"	6	"	
4	"		"	"	2		29.96	72	71	68		"	"	6	"	
5	"		S S E	S S E.	2		29.94	73	69	66		"	"	5	"	
6	"		"	S x E	2		29.94	72	68	66		"	cir cum s str	4	"	
7	"		"	"	3		29.96	71	68	66		"	"	3	"	
8	"		"	"	3		29.98	71	68	66		"	"	6	"	
9	"		"	S S E	2		30.00	71	68	66		"	cir cum	5	"	
10	"		"	"	1		30.01	70	68	66		"	"	5	"	
11	"		"	"	1		30.02	70	67	65		"	"	5	"	
Mid.	"		"	"	1		30.02	70	67	65		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2150 "

Coal consumed during the preceding 24 hours tons 700 lbs.

Coal remaining on hand at Noon 107 " 656 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, February 26th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather pleasant. Barometer steady. Light airs from S.S.E and S.E by S. Aneroid barometer 29.93.

Hal Rohrer Lieut

4 to 8 A.M. Cloudy. Slightly hazy. Light airs from S.E and E.S.E and calms. Aneroid 29.96. At 7.45 "Hartford" made signal 6071 and at 7.50 crossed royal yards.

Wainwright-Kellogg

Lieut

8 A.M to Meridian. Weather clear and pleasant. Light airs from S.E and S.S.E. Barometer steady. Aneroid 29.94. At 9.30 inspected at quarters and drilled divisions as per routine. At 10.00 made general signal 5180 numeral 3 to "Hartford" At 11.45 "Hartford" made following telegraphic signals 7124. 9409. 8277. 8780. 9409 and 6355. By order of Commanding Officer: Jas. H. Stewart (Eds) and John W Smith (Eds) were given each 14 hours extra duty for disobeying orders of Wardroom Steward.

H.O. Dunn Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from South. Barometer falling. Cirro-cumulus clouds. At 12.05 "Hartford" made signal, telegraphic. Nos 7839. 9409. and cornet No 138. Answered, and made signal to "Onward". telegraphic. Nos 7124. 9409. 8277. 8780. 9409 and 6355. At 12.40 made signal, interrogatory No 1049 and numeral 24. which "Hartford" answered with signal No 5637. At 2.15 "Hartford" made telegraphic Nos 8780. 4578. 870. 9409. 6355. 24. 18. 0970. 2709 and 6849. At 2.50 we made telegraphic signal Nos 7839. 9409. and cornet No 138. answered, and repeated the preceding signal to "Onward" At 3.25 "Hartford" made signal 2984 Answered. Aneroid barometer 29.88.

Hal Rohrer Lieut

4 to 8 P.M. Weather cloudy and pleasant. Light to gentle breeze from S.S.E and S by E. Barometer rising. Aneroid 29.92. At 4.45 mustered at quarters. At 6.10 "Hartford" made general signal 6070. Sent down royal yards.

H.O. Dunn, Ensign

8 P.M to Midnight. Weather clear and pleasant. Barometer rising. Cirro cumulus clouds. Light breeze from S.S.E. Aneroid barometer 29.94.

Hal Rohrer, Lieut

Moon's mid Examined and found to be correct.
Dec 13° 53' 17" S.
Phase, 1st Quarter

W. J. Stapleton
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.00	70	67	65		bc	circum	4	S.	
2	"		"	"	1		29.99	69	67	65		"	"	4	"	
3	"		"	"	1		29.98	69	67	65		"	"	2	"	
4	"		"	"	1		29.98	69	67	65		"	"	1	"	
5	"		"	"	1		30.00	69	67	65		"	"	2	"	
6	"		"	Calm	0		30.01	69	67	65		"	"	2	"	
7	"		"	"	0		30.02	69	67	65		"	"	5	"	
8	"		"	"	0		30.04	69	68	65		"	"	6	"	
9	"		"	SSE.	1		30.07	69	68	66		"	"	8	"	
10	"		"	"	2		30.07	69	69	66		"	"	8	"	
11	"		S	"	2		30.08	70	70	67		"	"	8	"	
Noon.	"		SSW.	SSW.	2		30.06	70	69	66		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1800	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	107 "	356	"

P. M.																
1	"		S.	S.	2		30.05	71	70	67		bc	circum	8	"	
2	"		S×E	S×E	2		30.04	71	71	68		"	"	8	"	
3	"		"	"	2		30.01	72	71	68		"	"	8	"	
4	"		"	"	3		30.00	72	70	67		"	"	8	"	
5	"		SSE	SSE	3		30.00	72	70	67		"	"	8	"	
6	"		"	"	3		30.00	72	70	67		"	cirrus stratus	8	"	
7	"		"	"	3		30.00	72	70	67		"	"	8	"	
8	"		"	"	3		30.02	72	70	67		"	"	8	"	
9	"		"	"	2		30.04	71	68	66		"	circum	8	"	
10	"		"	"	2		30.05	71	68	66		"	"	8	"	
11	"		"	"	2		30.04	70	67	65		"	"	8	"	
Mid.	"		"	"	2		30.04	70	67	65		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, February 27th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Light airs from S.S.E. Barometer falling. Aneroid at end of watch 29.92

Asst Surgeon

4 to 8 A.M. Cloudy but pleasant. Light airs from S.S.E and calm. Barometer rising. Aneroid 29.98. At 7.30 "Hartford" made general signal 3361. Received on board in pay department 196 lbs. fresh beef and vegetables and 85 loaves of bread.

J. O. Dunn Ensign.

8 A.M to Meridian. Weather clear and pleasant. Barometer rising. Cirro-cumulus clouds. Light breeze from S.S.E. At 9.30 beat to general quarters and exercised the crew. At 10.00 made signals No. 5180 and numeral No 5. Aneroid barometer 29.98.

Ward Norbreck Asst Surgeon

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from S by E. Barometer falling. Aneroid at end of watch 29.92.

Asst Surgeon

4 to 8 P.M. Weather clear and pleasant. Light breeze from S by E and S.S.E. Barometer steady. At 4.45 mustered crew at quarters. At 5.00 "Hartford" made signal No 2985, answered and got up clothes lines. Two steamers sent to sea. Aneroid barometer 29.96.

Ward Norbreck Asst Surgeon

8 P.M to Midnight. Weather clear and pleasant. Light airs from S.b.E. Barometer rising. Aneroid at end of watch 29.98.

Asst Surgeon

Noon to mid Examined and found to be correct.
Dec 16° 34' 52" S.
Phase. 1st Quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.05	69	67	65		bc	cirrus	9	S	
2	"		"	"	1		30.04	69	67	65		"	"	9	"	
3	"		"	"	1		30.02	69	67	65		"	"	9	"	
4	"		"	"	1		30.01	69	67	65		"	"	9	"	
5	"		"	"	1		30.02	69	67	65		"	"	9	"	
6	"		"	"	1		30.02	69	67	65		"	"	8	"	
7	"		"	Calm	0		30.05	69	67	65		bcm	"	7	"	
8	"		"	"	0		30.06	69	67	65		"	"	7	"	
9	"		"	SSE	1		30.07	70	69	66		"	"	6	"	
10	"		"	"	1		30.08	70	69	66		"	"	7	"	
11	"		"	"	1		30.08	70	69	66		"	"	6	"	
Noon.	"		"	"	1		30.08	71	69	66		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1450	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	107 "	56 "	

P. M.															
1	"		SSE	SSE	2		30.09	72	70	67		bc	cirrus	8	"
2	"		"	"	2		30.07	72	71	67		"	"	8	"
3	"		"	"	2		30.07	72	70	67		"	"	8	"
4	"		"	"	2		30.05	72	69	66		"	"	8	"
5	"		"	"	2		30.06	71	68	66		"	"	8	"
6	"		"	"	3		30.07	71	68	66		"	"	8	"
7	"		SE×S	SE×S	3		30.08	71	68	66		"	"	8	"
8	"		"	"	3		30.09	71	68	66		"	"	8	"
9	"		SSE	SSE	3		30.10	71	68	66		"	"	7	"
10	"		"	"	3		30.10	71	68	66		"	"	7	"
11	"		"	"	3		30.10	70	67	65		"	"	7	"
Mid.	"		S×E	S×E	3		29.98	70	67	65		"	"	4	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, February 28th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Bright moonlight and starlight. Light airs from S.S.E. Aneroid bar. at the close 29.94.

W.W. Smith Master.

4 to 8 A.M. Weather clear and pleasant. Hazy about the horizon in latter part of watch. Light breze from S.S.E. in early part and calm in latter part. A Chilian mail steamer came into harbor. At 7.25 "Hartford" made signal No 3351. Answered. Received onboard for crew 107 lbs fresh beef. 107 lbs vegetables and 85 loaves of bread. Aneroid bar. 30.00.

Karl Rohrer Lieut

8 A.M to Meridian. Weather clear and pleasant. Gentle breze from S.S.E. Mustered at quarters at 9.30 and instructed all divisions orally. Barometer rising. Aneroid at end of watch 29.99. Wm Simpson 'Ord' was given fifteen first watches for coming late to afternoon school and making difficulty for schoolmaster upon his arrival by order of Commanding Officer.

C.P. Rees Lieut

Meridian to 4 PM. Pleasant weather. Light breze from S.S.E. Received on board in Paymasters Department a quantity of small stores. At 3.25 "Hartford" made signal (general) 2934. Aneroid 29.98.

W.W. Smith Master

4 to 8 PM. Weather clear and pleasant, Gentle breze from S.S.E. Barometer rising. Mustered at quarters at 4.45. Aneroid at end of watch 29.99.

R. Coles Lieut

8 PM to Midnight. Clear and pleasant. Gentle breze from S.S.E. Aneroid barometer at the close 30.00.

W.W. Smith

Master

Noon 1 min Examined and found to be correct.
Dec 18° 35' 08" S.
Phase 1st Quarter

W. D. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.04	69	67	65		bcz	cir-cum z cum	2	S	
2	"		"	"	2		30.03	68	66	64		"	"	2	"	
3	"		"	"	2		30.00	69	66	64		"	"	2	"	
4	"		"	"	2		30.00	68	66	64		ocz	"	0	"	
5	"		"	"	1		30.01	68	67	65		bcm	cir cum z cum	2	"	
6	"		"	"	1		30.02	67	66	65		bc	cum. strat	1	"	
7	"		"	"	1		30.03	68	66	66		"	"	2	"	
8	"		"	"	1		30.03	68	66	65		"	cir cum	6	"	
9	"		"	"	1		30.02	69	66	65		"	"	5	"	
10	"		"	"	1		30.02	69	66	65		"	"	6	"	
11	"		S	S	1		30.03	69	69	67		"	"	6	"	
Noon.	"		"	"	1		30.03	69	69	67		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1100 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 106 " 1996 "

P. M.																
1	"		S+E.	SSE	1		30.02	71	71	68		bc	cir cum	4	S	
2	"		"	S×E.	1		30.01	72	71	68		"	"	5	"	
3	"		"	"	1		29.99	73	71	68		"	"	5	"	
4	"		"	"	1		29.97	73	71	68		bcm	cir cum z cum	4	"	
5	"		S	S	1		29.98	72	70	67		"	"	5	"	
6	"		SSE.	SE.	2		29.98	72	68	66		"	"	5	"	
7	"		"	SSE	2		29.98	71	68	65		"	"	5	"	
8	"		"	"	2		29.98	71	67	65		"	"	5	"	
9	"		"	"	2		30.00	70	67	65		"	"	4	"	
10	"		"	"	2		30.00	70	67	65		"	"	4	"	
11	"		"	"	2		30.00	70	67	65		"	"	1	"	
Mid.	"		"	"	2		30.00	70	67	65		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday March 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Slightly hazy. Pleasant, light breze from S.S.E. Aneroid 29.95. Wainwright-Kellogg
Lieut

4 to 8 A.M. Weather cloudy and pleasant. Light airs from S.S.E. Barometer rising. At 7.30 the "Hartford" made signal No 335. Aneroid 29.99.
Lieut

8 A.M to Meridian. Pleasant weather. Light airs from S.S.E. Went to quarters at 9.30 and inspected the crew after which exercised the divisions as per routine, At 10.00 made signal 8780 with numeral 5. At 10.00 the "Cochrane" got underway and stood out of the harbor to the N.E., Aneroid barometer at the close 29.93. W.W. Low
Master

Meridian to 4 P.M. Warm and pleasant. Light airs from S. and E., Cleaned copper of sailing launch, Piped down scrubbed hammocks at 3.30. Aneroid at end of watch 29.89. Wainwright-Kellogg
Lieut

4 to 8 P.M. Pleasant weather, slightly misty. Light airs varying from S to S.S.E. At 6.00 "Hartford" made signal 2984. Answered. Aneroid 29.92. W.W. Low
Master

8 P.M to Midnight, Pleasant. Misty. Light breeze from S.S.E. Aneroid 29.94 Wainwright-Kellogg
Lieut

Moon l mid Examined and found to be correct.
Dec 19° 49' 24" S.
Phase, Full moon.

N. H. Farnham
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E.	S S E	1		29.98	70	68	66		b cm	ci cumu	2	S.	
2	"		"	S by E	1		29.98	70	68	66		"	"	1	"	
3	"		"	"	1		29.98	70	68	66		b c d	Cir cumu & cumulo	3	"	
4	"		"	"	1		29.98	70	68	66		b c	ci cumu	4	"	
5	"		S S W.	S S E	1		29.98	70	68	66		"	"	4	"	
6	"		"	Calm	0		30.00	70	68	66		"	"	5	"	
7	"		S W × W.	"	0		30.02	68	66	64		"	"	6	"	
8	"		West	"	0		30.03	66	65	63		"	"	6	"	
9	"		W. N W	W N W.	1		30.01	68	67	65		"	"	8	"	
10	"		S S E	S S E	1		30.00	69	68	66		"	"	8	"	
11	"		"	"	1		30.00	70	69	67		"	"	8	"	
Noon.	"		S	S	1		29.99	71	70	67		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	750	"	
Coal consumed during the preceding 24 hours	tons	800	lbs.
Coal remaining on hand at Noon	106. "	1196	"

P. M.																
1	"		South	South	1		29.94	70	70	67		b c	Ci cumu	8	"	
2	"		"	"	1		29.94	70	70	67		"	"	8	"	
3	"		"	"	1		29.93	72	70	67		"	"	8	"	
4	"		"	"	2		29.90	72	70	67		"	"	8	"	
5	"		"	"	1		29.90	73	71	67		"	"	6	"	
6	"		"	S & E.	2		29.91	73	68	65		"	Ci cumu & Str	7	"	
7	"		S S E	S S E	2		29.92	72	68	66		"	"	7	"	
8	"		"	"	2		29.95	72	68	66		"	"	7	"	
9	"		"	"	2		29.99	70	68	65		"	Ci cumo	8	"	
10	"		"	"	2		29.99	70	68	65		"	"	8	"	
11	"		"	"	2		29.99	70	67	64		"	"	8	"	
Mid.	"		"	"	2		29.99	70	66	64		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, March 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty. Light airs from S by E. Barometer steady. Aneroid 29.92. Bright moonlight first part.

W. Brown Ensign.

4 to 8 A.M. Cloudy and cool, Light airs from S^d and E^d and calms, At 7.25 "Hartford" made signal 338. Answered. Aneroid barometer 29.96.

W. M. Dunn
Master

8 A.M to Meridian, Clear and warm, Light airs from S. & E. At 9.30 went to fire quarters, all divisions ready in one minute. Aneroid 29.91.

Wainwright-Kellogg
W.K. Lieut.

Meridian to 4 P.M. Clear pleasant weather, Light airs and breezes from South, Barometer falling. Aneroid 29.84. At 3.30 "Hartford" made general signal 29.86.

W. Brown Ensign

4 to 8 P.M. Clear and pleasant, Light breeze from S & E. At 4.45 mustered at quarters. Aneroid 29.89.

Wainwright-Kellogg W.K. Lieut

8 P.M to Midnight. Weather clear and pleasant. Light breeze from S & E. Barometer steady. Aneroid 29.92.

W. Brown Ensign

Moon l. mid
Dec 19° 6' 48" S
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		29.94	69	66	64		bc	Cirrocumu	7	6	
2	"		"	"	2		29.94	69	66	64		"	"	7	4	
3	"		"	"	2		29.94	69	66	64		"	"	8	"	
4	"		"	"	1		29.94	69	66	64		"	"	9	"	
5	"		"	"	1		29.94	69	66	64		"	"	8	"	
6	"		"	Calm	0		29.96	69	66	64		"	"	6	"	
7	"		"	"	0		29.98	68	66	64		"	"	6	"	
8	"		"	"	0		29.99	68	66	64		"	"	7	"	
9	"		NNW.	NNW	1		30.04	69	67	65		"	"	8	"	
10	"		"	"	1		30.04	69	67	65		"	"	8	"	
11	"		NNW.	NNW	2		30.02	70	68	66		"	"	8	"	
Noon.	"		"	"	2		30.02	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1400 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 106 " 96 "

P. M.																
1	"		NW	NW	1		30.01	70	70	67		bc	Cirrocumu	8	"	
2	"		"	"	1		30.00	71	70	67		"	"	8	"	
3	"		"	"	1		30.00	71	70	67		"	"	8	"	
4	"		"	"	1		29.99	71	70	67		"	"	8	"	
5	"		NNW.	NNW	1		30.00	71	70	67		"	"	8	"	
6	"		"	"	1		30.00	71	70	67		"	"	8	"	
7	"		"	"	1		30.00	71	70	67		"	"	8	"	
8	"		East	East	1		30.03	71	70	67		"	"	8	"	
9	"		"	"	1		30.04	69	69	66		"	"	8	"	
10	"		"	"	1		30.04	69	69	66		"	"	8	"	
11	"		"	"	2		30.04	68	69	66		"	"	8	"	
Mid.	"		"	ESE	1		30.04	68	69	66		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, March 3d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light breze from S.S.E. Barometer steady. Cirro-cumulus clouds. Bright star and moonlight. Anervid barometer 29.86.

Hal Roberts R Lieut

4 to 8 A.M. Clear and pleasant, light variable airs mostly from S.S.E. Received in Paymaster's Department 107 lbs. fresh beef and vegetables and 85 loaves of bread. Anervid 29.85.

W Cunningham-Kellogg
COX Lieut

8 A.M. to Meridian. Clear and pleasant weather. Light airs and breezes from N.N.W and W.N.W. Barometer falling slowly. Anervid 29.94. All hands mustered at quarters. By order of Commanding Officer: G. H. Jones (O.S. 2d.) was given ten first watches for leaving boat while boat keeper not being relieved. At 10.00 made general signal 5180. Numerals to "Hartford"

H.D. Wemple, Ensign.

Meridian to 4 P.M. Weather clear and pleasant, light breze from N.W. Barometer 30.02. Anervid at end of watch 29.90.

Hal Roberts R Lieut

4 to 8 P.M. Weather clear and pleasant, light airs from N.N.W and East. Barometer rising last hour. Anervid 29.96. At 4.45 mustered at quarters. Placed Robert Woolley (Sea) in double irons for safekeeping pending investigation. At 6.15 made general signal ab (Int) 4561 to "Hartford" Answered by 9 H.

H.D. Wemple, Ensign.

8 P.M to Midnight, Weather clear and pleasant, light breze from East, Barometer steady. Cirro-cumulus clouds. Anervid barometer 29.96

Hal Roberts, R Lieut

Moon's mid Dec 19° 10' 53" S. Phase, last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SE.	SE	1		30.03	68	68	65		bc	Cir Cumu & Cumu	2	S.	
2	"		"	"	1		30.02	68	68	65		"	"	2	"	
3	"		"	"	1		30.00	67	67	65		"	"	4	"	
4	"		"	"	1		29.99	67	67	65		"	"	6	"	
5	"		"	"	1		29.96	70	68	66		"	"	5	"	
6	"		"	Calm	0		29.96	69	68	66		"	Cir Cumu & stratus	5	"	
7	"		"	"	0		29.96	69	68	66		"	Cir Cumu	5	"	
8	"		SSE.	SSE	1		29.96	69	68	66		"	"	0	"	
9	"		"	S×E.	1		29.98	69	68	66		"	"	5	"	
10	"		"	"	1		30.00	69	68	66		"	"	6	"	
11	"		S.	S×W.	1		30.03	71	70	68		"	"	6	"	
Noon.	"		"	"	1		30.04	71	70	68		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water distilled during the preceding 24 hours	700	"	
Water remaining on hand fit for use at Noon	770	"	
Coal consumed during the preceding 24 hours	tons 1900	lbs.	
Coal remaining on hand at Noon	105 " 436	"	

P. M.																
1	"		SSW	SSW.	2		30.03	71	71	67		bc	Cir Cumu	8	"	
2	"		"	"	2		30.03	71	71	68		"	"	8	"	
3	"		S.	"	2		30.02	72	72	68		"	"	4	"	
4	"		SSE.	SSE	1		30.02	72	71	68		"	"	4	"	
5	"		"	"	1		30.02	72	71	68		"	"	4	"	
6	"		SE×S	SE×S.	1		30.04	72	70	67		"	Cir Cumu str	4	"	
7	"		"	"	1		30.05	72	70	67		"	"	4	"	
8	"		"	"	1		30.05	72	70	67		"	Cumu str	5	"	
9	"		"	SSE	1		30.06	72	70	67		"	"	6	"	
10	"		"	"	1		30.08	72	70	67		"	Cir Cumu	6	"	
11	"		"	SE×S	0-1		30.08	71	70	68		"	"	2	"	
Mid.	"		"	"	0-1		30.08	70	70	68		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday March 4th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Light airs from S^d and E^d. Barometer falling. Aneroid 29.95.

C. P. Rees Lieut

4 to 8 A.M. Clear and pleasant with calms and light airs from S & E. Barometer steady. Aneroid 29.94. At 6.00 started fires under boilers 1 and 3. At 9.35 "Hartford" made general signal 3351. Received in Pay Department 107 lbs fresh beef and vegetables and 85 loaves of bread.

Jno. Dunn, Ensign

8 A.M. to Meridian. Weather clear and pleasant. Light breeze from S.S.E. to S by W. Barometer rising. Cirro-cumulus clouds. At 9.30 called all hands to muster and after reading the laws for the government of the navy mustered the crew. Robt Woolley (Sea) was released from confinement and brought to the mast and then placed in solitary confinement on bread and water for five days all by order of Commanding Officer for being drunk on duty. Aneroid barometer 29.95. Distilling fresh water.

Ward Robinson, Lieut

Meridian to 4 P.M. Weather clear and pleasant, light variable airs. Barometer steady. Aneroid at end of watch 29.96.

C. P. Rees Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer rising. Light breeze from S & E by S. to S.S.E. At 6.15 "Hartford" made signal No 2985. The Chilian iron clad steamer "Blanco Encalada" came in and anchored, sent an officer on board with the usual offer of civilities. A P.S.N.Co's steamer came in from the S^d and one went out, both dipping as they passed. A Chilian transport went out with troops. Distilling. Aneroid barometer 29.97.

Ward Robinson, Lieut

8 P.M. to Midnight. Weather partly cloudy and pleasant. Light airs from S^d and E^d. Barometer steady. Distilling. Aneroid at end of watch 29.98.

C. P. Rees Lieut

Moon 1 mid Dec 17° 16' 34" S. Rhdes. Last quarter.

Examined and found to be correct.

W. H. Parker, Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE		SSE		1		30.02	69	69	66		bc,	cir cum	2	S	
2	"		"	"	1		30.00	69	68	66		"	"	2	"	
3	"		"	"	1		30.00	69	68	65		"	"	4	"	
4	"		"	"	1		30.00	69	68	65		"	"	6	"	
5	"		"	"	1		30.00	70	68	66		"	"	5	"	
6	"		"	"	1		30.03	69	68	66		"	cir cum str.	5	"	
7	"		"	"	1		30.03	69	68	66		"	cir cum	5	"	
8	"		"	"	1		30.05	69	68	66		"	"	5	"	
9	"		"	"	1		30.05	69	68	66		"	"	5	"	
10	"		"	"	1		30.04	70	70	63		"	"	6	"	
11	"		"	"	1		30.04	71	70	63		"	"	6	"	
Noon.	"		"	"	1		30.04	71	70	63		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330 gallons.		
Water distilled during the preceding 24 hours	2410 "		
Water remaining on hand fit for use at Noon	2850 "		
Coal consumed during the preceding 24 hours	3 tons 1780 lbs.		
Coal remaining on hand at Noon	101 " 896 "		

P. M.																
1	"		S	S.	1		30.02	74	73	70		bc	cir cum	6	"	
2	"		"	"	1		30.04	74	73	70		"	"	5	"	
3	"		"	SSE	1		30.06	74	73	70		"	"	4	"	
4	"		"	"	1		30.08	78	73	70		"	"	6	"	
5	"		SSE	"	2		30.00	78	72	68		"	"	6	"	
6	"		"	"	2		30.00	74	71	67		"	"	6	"	
7	"		"	"	2		30.00	73	69	66		"	"	8	"	
8	"		"	"	1		30.02	73	69	66		"	"	8	"	
9	"		"	"	1		30.04	73	69	66		"	"	8	"	
10	"		"	"	1		30.07	72	69	66		bcu	"	7	"	
11	"		"	"	1		30.07	71	69	66		"	"	8	"	
Mid.	"		"	"	1		30.07	71	69	66		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, March 5th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S.S.E. Distilling. Averaged 29.92.

Wainwright Kellogg 1st Lieut

4 to 8 A.M. Weather clear and pleasant. Light breze from S.S.E. Barometer rising. Cirro-cumulus and stratus clouds. Stopped distilling at 7.30. The "Hartford" made signal No. 3351 at 7.30. Answered. Averaged barometer 29.95

Ward Robinson, U.S.N. Asst

8 A.M. to Meridian. Weather partly cloudy and warm. Light airs from S.S.E. Barometer steady. Got up steam under four boilers and backed engines at 9.00 with a view to loosening piston rod. Stopped steaming and hauled fire at 9.45. Mustered at quarters at 9.30 and exercised 1st division at great guns. 2d at single sticks, 3d, powder. Engineers and marines at small arms. At 8.00 made signal, telegraphic. 4904. 0631. 2432. 2, 12. 1. 14. 3. 15. 4373. Geographical 2692. At 10.00 made signal 5180. numeral 3. Paid monthly money to crew. By order of Commanding Officer; Jno. A. Coban, (OS2cl) was given one first watch for being asleep in boat while boatkeeper and Louis F. Schuman, (OS) John O'Connell, (Sea) Julius Hartman, (OS.2c) F. A. Smith, (OS) and Chas. Lloyd, (OS2c) were each given two hours watch for being too far from ship while bathing. Averaged at end of watch 29.94.

Asst Surg Lieut

Meridian to 4 P.M. Weather clear and warm. Light airs from S and S.S.E. Barometer rising. At 12.15 "Hartford" made general signal 3072 and at 12.35 general signal 3790. At 1.00 made telegraphic signal to "Hartford" 0936. 8105. 9407. 8459. 9422. Received visit from Captain East of H.B.M.S. "Comus" At 3.30 "Hartford" made general signal 2984. Averaged bar. 29.88.

W. W. Dmmi Master.

4 to 8 P.M. Weather clear and pleasant. Gentle breze from S.S.E. Barometer steady. Mustered at quarters at 4.30 and secured guns for sea. At 4.15 the "Hartford" made telegraphic signal 7928. 2012. 9279. 9777. 6886. 8566. At 6.28 made interrogatory signal 6143. "Hartford" answered 9044. Sent down topgallant yards at 5.40 and bent light sails. At 6.45 made interrogatory signal 6069. The "Hartford" answered 9044. Crossed light yards at 6.00. Made preparations for sea. Received on board in Construction Department 10 galls. raw oil, 10 galls. boiled oil, 150 lbs. black paint and 3 prs of brass row locks.

Asst Surg Lieut

8 P.M. to Midnight. Pleasant weather, slightly misty. Light airs from S.S.E. Averaged barometer at the close 29.98.

W. W. Dmmi Master

Moon's mid Examined and found to be correct.
Dec. 17° 16' 24" S.
Phdn. Eastquarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. E	S E.	1		30.08	71	69	66		oc	circum	0	S	
2	"		"	E S E	1		30.08	71	69	66		bc	"	3	"	
3	"		"	"	1		30.07	70	68	66		"	"	1	"	
4	"		"	"	1		30.06	70	68	66		"	"	2	"	
5	"		E S E	"	1		30.04	68	68	66		"	"	4	"	
Underway.			N. N E.	S S E.	2		30.06	68	68	66		"	"	4	"	
7	3	0	N W.	Calm	0		30.08	69	68	66		"	"	4	"	
8	5	0	"	"	0		30.10	69	68	66		"	"	6	"	
9	7	0	Standing in for anchorage	S E.	1		30.10	70	70	67		"	"	7	"	
Anchored			N. N W.	W N W	1		30.10	72	72	69		"	"	7	"	
Anchored			S S W.	S S W	3		30.08	72	72	69		"	"	7	"	
Noon.	Peru.		"	"	2		30.06	72	74	69		"	"	7	"	

P. M.																
1	"		S S W	S S W	2		30.02	74	74	69		bc	Cir cum	7	"	
2	"		"	"	3		30.00	74	74	69		"	"	7	"	
3	"		"	"	3		30.00	74	74	69		"	"	7	"	
4	"		"	"	2		30.00	74	74	69		"	"	7	"	
5	"		"	"	3		29.99	75	75	69		"	"	7	"	
6	"		"	"	3		29.99	75	74	69		"	"	6	"	
7	"		S.	S	1		29.98	74	72	68		"	"	5	"	
8	"		"	"	1		29.96	74	72	68		"	"	5	"	
9	"		N N W	Calm	0		30.02	72	72	68		"	Cir	9	"	
10	"		"	"	0		30.02	72	72	68		"	"	9	"	
11	"		"	"	0		30.02	72	72	68		"	Cir cumo	7	"	
Mid.	"		"	"	0		30.02	72	72	68		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 320 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2530 "

Coal consumed during the preceding 24 hours — 4 tons 740 lbs.

Coal remaining on hand at Noon — 97 " 156 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday March 6th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, light airs from S.E. At 2.15 the Chilian ironclad "Blanco Encalada" left the harbor. At 2.45 started fires under six boilers. Aneroid 29.96.

Wainwright-Kellogg Lieut

4 to 8 A.M. Weather cloudy and pleasant, Calm. Barometer rising. Called all hands up anchor at 5.25. Got underway at 5.45. Made sail at 6.00. and shortened and furled sail at 6.15. Stood out of harbor under steam and shaped course for Ancon, Peru. At 6.33 took departure, San Lorenzo Light S W by S. Frontow Island S by E. 3/4 E. Stood N.W. till 8.00 when changed to N by W. Aneroid 30.00

O'Brien Lieut

8 A.M to Meridian, Clear and warm, light variable airs. Barometer steady. Standing in for anchorage in Ancon Bay. At 9.25 called all hands bring ship to anchor and at 9.35 came to with starboard anchor in seven fathoms water, veering to 25 fathoms on starboard chain, Point Malatas bearing (pc) W by S. Mill bearing (pc) NE 3/4 E, ship's head S E. Received an official visit from the Italian corvette "Archimedes" Aneroid barometer 29.96.

W.W. Irwin Master

Meridian to 4 P.M. Weather warm and pleasant with fresh breeze from S S W. Commanding Officer paid an official visit to Italian corvette "Archimedes". Aneroid 29.88.

Wainwright-Kellogg for Lieut

4 to 8 P.M. Pleasant weather. Gentle breeze from S S W to South. Went to quarters at 4.45. Hoisted out launch, Aneroid bar. 29.90.

W.W. Irwin Master

8 P.M to Midnight, Clear and pleasant, light variable airs and calms. Aneroid 29.92.

Wainwright-Kellogg for Lieut

Moon's mid Examined and found to be correct.
Dec 10° 23' 59" S.
Phase. Last quarter

W. H. Clarke Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE	ENE	1		30.00	71	70	68		bc	circum	7	S.	
2	"		NE	NE	1		29.99	71	70	68		"	"	7	"	
3	"		NNW.	NNW	1		29.97	71	70	68		"	"	7	"	
4	"		NW.	Calm	0		29.96	71	70	68		bcm	"	2	"	
5	"		"	"	0		29.96	71	70	68		"	"	2	"	
6	"		WSW.	"	0		29.97	70	70	68		"	"	2	"	
7	"		W	"	0		30.00	70	69	67		"	"	5	"	
8	"		NNE.	"	0		30.01	71	70	69		"	"	6	"	
9	"		NNW.	NW.	1		30.04	72	70	68		bc	"	8	"	
10	"		"	NNW	1		30.04	73	70	68		"	"	8	"	
11	"		"	"	1		30.04	73	72	68		"	"	8	"	
Noon.	"		W.	SW.	1		30.04	73	72	68		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 320 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2210 "

Coal consumed during the preceding 24 hours — tons — 300 lbs.

Coal remaining on hand at Noon — 96 " 2096 "

P. M.																
1	"		WNW	W.N.W.	1		30.00	73	72	68		bc	cir cum	8	"	
2	"		"	"	1		30.00	73	72	68		"	"	8	"	
3	"		SSW	S.S.W.	2		30.00	73	72	68		"	"	8	"	
4	"		"	"	4		29.99	74	73	68		"	"	8	"	
5	"		S×W.	S×W.	4		29.95	74	73	68		"	"	6	"	
6	"		.	"	1		29.95	74	73	68		"	"	6	"	
7	"		N.	N.	1		29.99	72	71	68		"	"	4	"	
8	"		"	"	1		29.99	72	71	68		"	"	4	"	
9	"		NNW	NNW	1		30.04	72	71	68		"	cir cum / cumo	6	"	
10	"		"	"	1		30.04	72	71	68		"	"	5	"	
11	"		WNW.	Calm	0		30.04	71	71	68		"	"	5	"	
Mid.	"		"	"	0		30.04	71	71	68		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, March 7th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Light airs variable in direction from ENE. to NNW. Calm last hour. Barometer falling Aneroid 29.99

F.W. Dunn Ensign.

4 to 8 A.M. Pleasant weather, slightly misty. Calm. Barometer rising Aneroid barometer 29.95.

W.W. Dunn Master

8 AM to Meridian. Clear, and hot. Light airs from N.d and W.d. At 9.30 mustered at quarters; exercised 1st and Nav divisions at small arms. 2d at great guns and 3d at single sticks. Aneroid 29.94. By order of Commanding Officer: O. Smith. "3" was given four first watches for disobedience of orders.

Wainwright Kellogg 1st Lieut.

Meridian to 4 PM. Clear and pleasant. Light airs from N. NW increasing to moderate breeze from S.S.W. last part. Barometer steady Aneroid 29.88. At 3.40 furled sail. Commanding Officer of the Italian man of war "Archimedes" paid an official visit on board.

F.W. Dunn. Ensign.

4 to 8 PM. Clear and pleasant, light to moderate breeze from S.d and W.d, until sunset when breeze moderated to light airs from N.d. At 4.45 mustered at quarters. Aneroid 29.95.

Wainwright Kellogg 1st Lieut.

8 PM to Midnight, Clear and pleasant weather. Light airs from N N W in first part of watch and calms in latter part, Barometer steady. Cirro-cumulus and cumulus clouds. Aneroid barometer 29.96.

Mark Robert, R Lieut.

Moon's mid Examined and found to be correct.
Dec 5° 46' 15" S.
Phase. Last Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N. N. W.	Calm	0		30.05	71	71	68		bc	Cirs	9	S	
2	"		"	"	0		30.02	71	71	68		"	"	9	"	
3	"		"	"	0		30.00	70	70	67		"	Cir cums	7	"	
4	"		"	"	0		30.00	70	70	67		"	"	6	"	
5	"		N. N. E.	"	0		30.00	70	70	67		"	"	4	"	
6	"		"	"	0		30.00	70	70	67		"	Cir Cums & Strat	2	"	
7	"		N. N. W.	"	0		30.00	70	70	67		"	Cir Cums	7	"	
8	"		"	"	0		30.02	71	70	67		"	"	7	"	
9	"		"	"	0		30.04	72	70	67		"	"	5	"	
10	"		N W & W.	W. N. W.	1		30.06	74	72	69		"	"	8	"	
11	"		"	"	1		30.06	74	72	69		"	"	9	"	
Noon.	"		"	"	1		30.07	74	72	69		"	"	5	"	

P. M.																
1	"		N. N. W	W.	1		30.07	74	72	69		bc	Cir cums	8	"	
2	"		"	W. N. W.	1		30.07	74	72	69		"	"	8	"	
3	"		"	S. W.	1		30.01	73	72	69		"	"	8	"	
4	"		"	S. W.	1		30.00	73	72	69		"	"	8	"	
5	"		"	W. N W.	1		30.00	74	74	70		"	"	6	"	
6	"		"	"	1		30.01	74	71	68		"	Cir cums & strat	5	"	
7	"		N N W	N. N W.	1		30.02	74	72	68		"	"	5	"	
8	"		"	Calm	0		30.02	74	72	69		"	Cir cums	5	"	
9	"		"	"	0		30.04	74	72	70		bcm	"	7	"	
10	"		"	"	0		30.06	74	73	70		"	"	7	"	
11	"		W. N. W.	N.	0-1		30.07	73	72	70		"	"	7	"	
Mid.	"		"	"	0-1		30.08	74	72	70		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 310 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1900 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 96 " 1796 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday March 8th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Calm. Barometer falling. Aneroid at end of watch 29.95.

Lieut

4 to 8 AM. Clear and cool, Calm, Aneroid 29.95.

Wainwright Kellogg COX Lieut

8 AM to Meridian, Clear and pleasant weather. Rising barometer Cirro cumulus clouds. Light airs from N. N. W. At 9.30 went to general quarters and exercised crew. Fired twelve empty shell at target from the port guns of 2d division. Aneroid barometer 29.96

Hal Rutledge, Lieut

Meridian to 4 PM. Weather clear and warm, Light airs from N. and W. Barometer falling. Sent party to gather the projectiles fired during forenoon. Aneroid at end of watch 29.90.

Lieut.

4 to 8 PM. Weather clear and pleasant. Light airs from W. N. W. to N. N. W. Barometer steady. Cirro-cumulus and stratus clouds. At 4.45 mustered crew at quarters. Aneroid barometer 29.94.

Hal Rutledge, Lieut

8 PM to Midnight, Weather clear and pleasant. Calm, Barometer rising. Aneroid 29.92.

Lieut

Moon's mid Dec 0° 39' 23" S. Phase. New moon

Examined and found to be correct.

W. H. H. Parker Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N N E	N. N E	1		30.05	71	71	68		bc	cir cum	6	S	
2	"		N. N. W.	N N W.	1		30.05	71	71	68		"	"	8	"	
3	"		"	"	1		30.02	71	71	68		"	"	8	"	
4	"		N. N E.	N N E	1		30.02	70	71	68		"	"	8	"	
5	"		"	Calm	0		30.00	71	71	68		"	"	6	"	
6	"		"	N N W.	1		30.00	71	69	67		"	cir str	7	"	
7	"		N. N. W.	"	1		30.01	71	69	67		bc m	Cirs	8	"	
8	"		"	Calm	0		30.05	71	69	67		bc	"	9	"	
9	"		"	"	0		30.06	72	69	67		"	"	9	"	
10	"		"	"	0		30.06	72	69	67		"	"	9	"	
11	"		N W	N W.	1		30.03	73	71	69		"	"	6	"	
Noon.	"		"	"	1		30.00	73	71	69		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	375	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1525	"	
Coal consumed during the preceding 24 hours	tons 1500	lbs.	
Coal remaining on hand at Noon	96 " 296	"	

P. M.																
1	"		W. N W.	W. N. W.	1		29.99	74	73	70		bc	cir cum	5	"	
2	"		"	"	1		29.98	74	73	70		"	"	5	"	
3	"		S S W	S S W	3		29.97	74	73	70		"	"	4	"	
4	"		"	"	3		29.95	75	74	70		"	"	4	"	
5	"		"	S.	3		29.96	74	74	68		"	"	5	"	
6	"		"	S S W	3		29.98	74	72	67		"	"	6	"	
7	"		"	"	3		29.98	74	72	67		"	"	6	"	
8	"		S E × S	S S E.	2		30.00	73	70	67		"	"	8	"	
9	"		N × W.	N × W.	1		30.02	73	70	67		"	"	8	"	
10	"		"	"	1		30.03	73	70	67		"	"	8	"	
11	"		N.	Calm	0		30.04	73	70	67		"	"	8	"	
Mid.	"		"	"	0		30.04	73	70	67		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday March 9th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, light airs from N.N.E. to N.N.W. Aneroid barometer 29.92.

W. W. Irwin
Master

4 to 8 A.M. Weather pleasant, Breeze light in force and variable in direction, Barometer steady. Cirro-cumulus and cirro-stratus clouds. Aneroid barometer 29.93

Wm Walker, Lieut

8 A.M. to Meridian. Weather clear and warm. Light variable airs and calms. Barometer falling. Mustered at quarters at 9.30. Exercised signal class. By order of Commanding Officer. H. Hines. (Ds) was given one extra first watch for leaving boat while boat-keeper and John J. McCann (Lds) was given seven first watches for assaulting a shipmate, Robert Woolley (Sea) was released from confinement. Aneroid at end of watch 29.88.

A. Rhoades Lieut

Meridian to 4 P.M. Weather clear and pleasant with light to fresh breezes from N.N.W to S.S.W. Aneroid 29.98.

W. W. Irwin Master

4 to 8 P.M. Weather clear and pleasant, light breeze from S.E. and N.E., Barometer rising. Mustered at quarters at 4.45. Aneroid at end of watch 29.92.

A. Rhoades Lieut

8 P.M. to Midnight, Clear and pleasant, light airs from N by W. first part, & calm latter part. Aneroid Barometer 29.88.

W. W. Irwin Master

Moon's mid
Dec. 11° 28' 43" N.
Phase New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Aucon Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NW by N.	Calm	0		30.06	72	72	70		bcm	ci cumm	3	b	
2	"		"	"	0		30.06	72	72	70		"	"	1	"	
3	"		"	"	0		30.04	72	72	70		"	"	1	"	
4	"		"	"	0		30.06	72	72	70		"	"	2	"	
5	"		NNE	"	0		30.05	70	70	68		bc	ci cumm b cumm	4	"	
6	"		"	"	0		30.06	70	70	68		"	"	4	"	
7	"		"	"	0		30.10	71	70	68		"	"	5	"	
8	"		NNW.	N.	1		30.12	72	70	68		"	"	5	"	
9	"		"	Calm	0		30.11	71	70	68		"	ci cumm	7	"	
10	"		"	NNW.	1		30.11	73	70	68		"	"	7	"	
11	"		NNW	"	1		30.11	73	72	69		"	"	7	"	
Noon.	"		"	"	1		30.10	73	72	69		"	"	7	-	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 3 y 5 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1150 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 95 " 2286 "

P. M.															
1	"		SW x W	SW x W.	1		30.07	73	72	69		bc	ci cumm	7	"	
2	"		S S W.	S S W	1		30.05	73	72	69		"	"	8	"	
3	"		"	"	1		30.06	73	72	69		"	"	6	"	
4	"		W x N.	W x N.	1		30.03	73	72	69		"	"	6	"	
5	"		"	W N W	1		30.04	74	73	69		"	"	4	"	
6	"		S W.	W.	1		30.05	74	72	69		"	"	4	"	
7	"		"	Calm	0		30.07	73	72	69		"	"	3	"	
8	"		"	"	0		30.08	73	72	69		"	"	5	0	
9	"		"	"	0		30.10	72	72	69		"	"	9	"	
10	"		"	"	0		30.10	72	72	69		"	"	9	"	
11	"		"	"	0		30.10	71	71	68		"	"	9	"	
Mid.	"		"	"	0		30.10	71	71	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. March 10th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 AM. Misty. Light variable airs and calms. Aneroid 29.95.
Wainwright-Kellogg
Wk Lieut

4 to 8 AM. Weather clear and warm. Calm. Barometer rising. Aneroid at end of watch 30.00.
C Bleyer Lieut

8 AM to Meridian. Clear and warm. Light airs from N N W and calms. Went to quarters at 9.30 and inspected the crew. Aneroid bar 30.00.
W. W. Winn Master

Meridian to 4 PM. Clear and warm. Light breeze from S S W. Aneroid 29.96.
Wainwright-Kellogg
Wk Lieut

4 to 8 PM. Pleasant weather. Light variable airs. Went to quarters at 4.45 and mustered the crew. Aneroid bar. 29.96 *
W. W. Winn Master

8 PM to Midnight. Clear and pleasant. Light airs and calms. Aneroid 29.98.
Wainwright-Kellogg
Wk Lieut

* Charles E. James. Paymaster's Clerk reported for duty this day.

Moon's mid Examined and found to be correct.
Dec. 9° 20' 03" 76.
Phase. New moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			North	North	1		30.06	71	70	68		bcm	ci cumo	8	8	
2	"		N. N W.	N. N. W.	1		30.06	71	70	68		"	"	8	"	
3	"		"	"	1		30.04	70	70	68		"	"	9	"	
4	"		"	"	1		30.02	70	70	68		"	"	9	"	
5	"		W. N. W.	Calm	0		30.04	70	70	68		cf	none	0	"	
6	"		"	"	0		30.06	70	69	67		"	"	0	"	
7	"		"	"	0		30.08	69	68	67		"	"	0	"	
8	"		N. W	"	0		30.09	70	68	67		"	"	0	"	
9	"		W N. W	N W	1		30.02	70	68	67		bcf	ci cumo	1	"	
10	"		"	W. N. W	1		30.04	71	69	67		"	"	1	"	
11	"		"	"	1		30.10	71	69	67		"	"	2	"	
Noon.	"		"	"	1		30.10	72	70	68		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 800 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 98 " 1936 "

P. M.																
1	"		West	West	1		30.10	72	70	68		bcm	ci cumo	11	"	
2	"		"	"	1		30.09	72	71	68		bc	"	11	"	
3	"		W. N. W.	W N W.	1		30.07	74	71	68		"	"	7	"	
4	"		"	"	1		30.05	74	72	69		"	"	7	"	
5	"		S S W.	S S W	1		30.04	74	72	69		"	"	7	"	
6	"		"	"	2		30.04	74	72	69		"	"	7	"	
7	"		"	"	2		30.04	74	72	69		"	"	7	"	
8	"		"	"	1		30.04	72	70	69		"	"	7	"	
9	"		N. N. E.	North	1		30.08	72	71	68		"	"	8	"	
10	"		N W ∠ N.	N N W.	1		30.10	72	71	68		"	"	8	"	
11	"		"	"	1		30.10	71	71	68		"	"	8	"	
Mid.	"		"	"	1		30.10	70	70	68		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, March 11th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Clear pleasant weather. Heavy dews. Light airs from North, and N.N.W. Barometer falling slowly. Aneroid 29.98.
A.D. Dunn. Ensign.

4 to 8 A.M. Overcast, and foggy. Calm. Barometer rising. Aneroid barometer, at end of watch 30.00.
W. W. Smith
Master.

8 A.M. to Meridian. Hazy. Light airs from N. and W., At 9.30 mustered at quarters, and Commanding Officer inspected ship and crew. Aneroid barometer 30.00.
Wainwright Kellogg
Lieut.

Meridian to 4 P.M. Clear pleasant weather. Light airs from West and W.N.W. Barometer falling. Aneroid 29.96.
A.D. Dunn. Ensign.

4 to 8 P.M. Clear, and pleasant. Light variable airs. Aneroid 29.98.
Wainwright Kellogg Lieut

8 P.M. to Midnight. Clear, and pleasant, Light airs from North and N.N.W. Barometer rising slowly. Aneroid 30.01 at midnight
A.D. Dunn, Ensign.

Moon's mid Examined and found to be correct.
Dec 13° 52' 13".6
Obsrv. New moon

W. H. Gorringe
Lieut. U. S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchord			N. N.W.	Calm	0		30.10	70	71	69		bc	Cir	9	S	
2	"		"	"	0		30.08	70	70	68		"	"	9	"	
3	"		"	"	0		30.07	70	70	68		"	"	9	"	
4	"		E.S.E	"	0		30.07	70	69	67		"	"	7	"	
5	"		E.N.E.	"	0		30.05	70	69	67		"	Circum	7	"	
6	"		"	"	0		30.05	70	69	67		bcf	"	7	"	
7	"		"	"	0		30.05	70	69	67		"	"	7	"	
8	Standing out			"	0		30.05	70	69	67		"	"	7	"	
9	1	5	S × E	S × E	3		30.07	70	69	67		bcz.	"	7	"	
10	8	0	"	"	3		30.07	71	70	68		"	"	6	"	
11	8	0	"	S E × S.	3		30.06	71	70	68		"	"	8	"	
Noon.	Standing into Anchorage. Callao.			"	2		30.05	71	70	68		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	1150 "		
Coal consumed during the preceding 24 hours	4 tons 1540 lbs.		
Coal remaining on hand at Noon	91 " 396 "		

P. M.															
Anchord.		S.S.W	S.W.	1	30.08	69	70	68		bc	Cir cum	8	"		
2	"	S.S.E	S.S.E	2	30.06	69	70	68		"	"	8	"		
3	"	"	"	2	30.06	71	71	69		"	"	8	"		
4	"	"	"	2	30.06	72	72	69		"	"	8	"		
5	"	"	"	2	30.06	72	71	69		"	"	5	"		
6	"	"	"	2	30.08	71	69	67		"	"	8	"		
7	"	"	"	2	30.09	71	69	67		"	Cir. str.	6	"		
8	"	S E.	S E.	1	30.10	70	69	67		"	Cir cum	8	"		
9	"	"	"	2	30.09	71	69	67		"	"	7	"		
10	"	"	"	2	30.09	71	69	67		"	"	6	"		
11	"	"	"	2	30.09	70	69	67		"	"	5	"		
Mid.	"	"	"	2	30.10	70	69	67		"	"	6	"		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McComick, U. S. Navy,

Monday, March 12th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer falling. Calm. Cirrus and cirro-cumulus clouds. Aneroid barometer 29.97.

Ward Robinson Lieut

4 to 8 A.M. Clear and pleasant first part of watch, misty latter part. Calm. Making preparations for sea during watch. At 8.00 called all hands up anchor. Aneroid at end of watch 29.99.

Wainwright-Kellogg or Lieut

8 A.M to Meridian. Clear and pleasant weather but hazy. Gentle to light breeze from S by E. and S E by S. Barometer steady. Aneroid 29.99. At 8.00 called all hands up anchor and at 8.15 went ahead one bell under steam, standing out of Ancon bay. At 8.35 took departure. Guaca Island bearing (pc) E by N. distant 1/4 mile. Ships head S by E. Ships draft- forward 13' 5"; aft 15' 8". Course S by E. Average revolutions 48. Steam 32 lbs. At 10.00 exchanged numbers with U S S. "Hartford" and at 10.30 made Sub 1316 which was answered by 904. At 10.40 changed course and stood into Callao Bay for anchorage. At 11.00 called all hands bring ship to anchor. At 11.18 came to anchor in Callao Bay in 6.6 fathoms water with starboard bower anchor. Banked fires and commenced distilling. Bearings at anchorage (pc.) South end of Frontow Island South, San Lorenzo Light W by S 1/4 S. Ships head S E. Commanding Officer of U S S "Onward" paid an official visit on board.

R. D. Dunn Ensign

Meridian to 4 P.M. Weather clear and pleasant, Light breeze from S to S S E. Barometer steady. Cirro-cumulus clouds. Distilling. Hauled four forward fires. Aneroid barometer 29.95. An American Bark came in and anchored.

Ward Robinson Lieut

4 to 8 P.M. Clear pleasant weather. Light airs and breezes from S S E. and S E. Barometer rising. Aneroid 30.00. At 4.45 Mustered at quarters. At 5.15 Chilian ironclad "Blanco Encalada" left the harbor flying a homeward bound pennant. At 5.40 U S S "Hartford" came in and anchored. Commanding Officer left the ship to pay an official visit to the "Hartford." At 5.45 made general signal Sub 6070. Sent down royal yards. Distilling.

R. D. Dunn. Ensign.

8 P.M to Midnight. Weather clear and pleasant. Barometer steady. Cirro cumulus clouds. Light breeze from S E. Distilling. Aneroid barometer 30.00.

Ward Robinson Lieut

Moon's mid Examined and found to be correct.
Dec 16° 48' 16" N.
Phase. New moon.

W. N. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. E	S S E	1		30.08	69	68	66		bc	cirrus	8	S	
2	"		E.S.E	"	1		30.04	68	67	65		"	"	8	"	
3	"		"	"	1		30.04	68	67	65		bcm	"	3	"	
4	"		"	S.E	1		30.03	68	67	65		"	"	1	"	
5	"		"	"	1		30.06	69	69	66		ocm	Nimb	0	"	
6	"		"	N.N.E.	1		30.09	69	69	66		"	"	0	"	
7	"		N.N.E	"	1		30.10	68	67	64		"	"	0	"	
8	"		"	"	1		30.10	68	67	64		"	Cu. Nimb	0	"	
9	"		N.	N	1		30.12	70	68	67		bcm	"	1	"	
10	"		N.W	N W	1		30.12	70	69	67		"	Cicum	5	"	
11	"		"	"	1		30.12	70	69	67		"	"	5	"	
Noon.	"		"	"	1		30.12	70	69	67		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 2900 "

Water remaining on hand fit for use at Noon 3000 "

Coal consumed during the preceding 24 hours 4 tons 340 lbs.

Coal remaining on hand at Noon 87 " 56 "

P. M.																
Anchored			N. W.	Calm	0		30.10	70	69	67		bcm	cirrus	5	"	
2	4	5	N W × W.	N. W.	1		30.10	72	70	68		"	"	3	"	
3	2 5	0 5	N × W.	N N W.	0-1		30.08	72	72	70		"	"	2	"	
Standing in for Anchorage			E N E	"	0-1		30.07	72	72	70		"	"	3	"	
Anchored			S W.	S. W.	1		30.07	71	71	68		"	"	2	"	
6	"		S W × W.	"	2		30.07	71	69	66		"	"	2	"	
7	"		W N W.	N W.	1		30.07	71	69	66		bc	"	6	"	
8	"		N N E	N N E	1		30.08	71	70	67		"	"	8	"	
9	"		"	"	1		30.09	71	70	67		"	"	8	"	
10	"		"	Calm	0		30.10	71	70	67		"	"	8	"	
11	"		S S W.	"	0		30.11	71	70	67		"	"	5	"	
Mid.	"		"	"	0		30.11	71	70	67		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, March 13th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Weather clear and pleasant, light airs from S.S.E. Barometer falling. Aneroid 29.98.

[illegible] Lieut

4 to 8 A.M. Overcast and cloudy. Misty. Light airs from S.E. and N.N.E. Barometer steady. Aneroid 30.06. At 7.30 "Hartford" made general signal 3351. At 7.45 made general signal (Int.) 6071. which was answered by 904. Crossed royal yards. Received on Pay Dept. 105 lbs fresh beef and vegetables, and 8 loaves of bread.

[illegible] Dunn, Ensign.

8 A.M. to Meridian. Weather clear and pleasant. Light airs from North to N.W. Barometer steady. Cirro-cumulus, cumulus and nimbus clouds. Inspected crew at quarters at 9.30. Started fires under four forward boilers. Brought to on starboard chain at 11.30, got in catamaran and rove off cat and fish falls. Received on board 25 gallons of lard oil in Navigation Department. Stopped distilling at 11.00. Aneroid barometer 30.02. At 10.00 made signal No. 5180 and numeral 4.

Hall Robertson Lieut

Meridian to 4 P.M. Weather cloudy and pleasant. Light variable airs and calms. Barometer falling. At 1.00 called all hands up anchor and made signal 4890. the Hartford answered 904. Got underway at 1.15 and steamed out of harbor bound for Ancon. Changed course at intervals to clear dangers. Ships draft forward 13 ft 6 in. aft 15 ft 8 in. At 1.15 took departure S.W. Sombrero Light W by S 1/4 S. South end of Tronton Isld South. Patent log showed 129.8. at 4.00. 149.1. Standing in for anchorage at end of watch. Aneroid 29.98.

[illegible] Lieut

4 to 8 P.M. Weather clear and pleasant. Steady barometer. Light breeze varying in direction from S.W. to N.W. At 4.35 came to with starboard anchor veering to 30 fathoms of chain in five and a half fathoms of water. At 4.45 an officer from the Italian corvette "Archimedes" came on board with the offer of the usual civilities and invited us to dress ship with the Italian war vessels to-morrow morning in honor of King Humbert's birthday. Hauled fires at 5.00. Got out sailing launch and sent down the royal yards. Mustered crew at quarters at 4.45. Bearings of anchorage. Malatos W. Mill N.E. Wharf S.E. Ships head S.S.E. Aneroid barometer 30.00

Hall Robertson Lieut

8 P.M. to Midnight. Weather clear and pleasant. Calm. Barometer steady. Aneroid 30.00.

[illegible] Lieut

Moon's mid. Examined and found to be correct.

Dec 18° 56' 49" W

Phase. New moon.

W. H. [illegible]

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Aucon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S W.	Calm	0		30.09	70	70	68		bcm	Cir cumo	5	S	
2	"		"	"	0		30.08	70	70	68		"	"	6	"	
3	"		"	S W.	1		30.08	70	69	67		ocm	Strats	0	"	
4	"		"	"	1		30.08	70	69	67		"	"	0	"	
5	"		W N W.	W N W	1		30.07	67	68	66		"	"	0	"	
6	"		N W by N.	N W.	1		30.07	68	68	66		"	"	0	"	
7	"		"	"	1		30.10	68	67	65		"	"	0	"	
8	"		W N W	"	1		30.12	68	67	65		"	"	0	"	
9	"		"	Calm	0		30.14	70	68	66		"	"	0	"	
10	"		"	"	0		30.16	70	68	66		"	"	0	"	
11	"		"	N W.	1		30.16	70	69	66		"	Cirrus	4	"	
Noon.	"		N W.	"	1		30.14	70	69	66		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 325 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2675 "

Coal consumed during the preceding 24 hours — 3 tons 80 lbs.

Coal remaining on hand at Noon — 83 " 2216 "

P. M.																
1	"		W.	W.	1		30.10	71	69	67		bc	Cir cumo	6	"	
2	"		"	"	1		30.08	71	69	67		"	"	6	"	
3	"		"	"	1		30.07	71	69	67		"	"	9	"	
4	"		W S W.	W S W	1		30.07	72	69	67		"	"	9	"	
5	"		S.	S.	1		30.06	73	72	69		"	"	8	"	
6	"		"	"	2		30.06	73	71	68		"	"	6	"	
7	"		"	"	2		30.06	73	71	68		"	"	6	"	
8	"		N N W	Calm	0		30.06	73	71	68		"	"	8	"	
9	"		"	N. N W	1		30.10	73	70	68		b	—	10	"	
10	"		"	Calm	0		30.10	71	71	69		"	—	10	"	
11	"		"	"	0		30.10	71	71	69		"	—	10	"	
Mid.	"		"	"	0		30.10	71	71	69		"	—	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, March 14th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty and calm first part of watch, overcast and misty with light airs from S.W. latter part. Aneroid barometer 30.00.

W.W. Irwin
Master.

4 to 8 A.M. Cloudy and hazy. Light breeze from W.N.W. to N.W. Barometer rising. Cirro-cumulus clouds. At 8. dressed ship with rainbows Aneroid barometer 30.04.

Harbert Lieut

8 A.M to Meridian. Weather overcast first half of watch, clearing latter half. Mustered at quarters at 9.30 and exercised First and Powder Divisions at small arms, Second at rally, Third at single sticks Marine Guard at small arms. The Commanding Officer paid an official visit to the Italian "Vettor Pisani" Barometer rising. Aneroid at end of watch 30.04. The Italian fired a salute of 21 guns at 8.00 o'clock and again at 12.00 in honor of the birthday of King Humbert.

[illegible] Lieut

Meridian to 4 P.M. Weather warm, clear sky. Light breeze from W., Barometer at end of watch 30.07. Aneroid 29.95. Engineers Force at work on boiler of steam cutter.

W.W. Irwin
Master

4 to 8 P.M. Weather clear and pleasant. Light airs from W.S.W. Barometer steady. Mustered at quarters at 4.45. At sunset the Italian "Vettor Pisani" fired a national salute of 21 guns. Aneroid at end of watch 29.98.

[illegible] Lieut

8 P.M to Midnight. Clear delightful weather, bright moonlight and starlight. Calm. Aneroid barometer at this close 30.00

W.W. Irwin Master

Moon's semi Examined and found to be correct.
Dec. 19° 33' 25" N.
Phase, New moon.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N.	Calm	0		30.06	70	69	67		bcm	cir cumo	6	0	
2	"		"	"	0		30.06	70	69	67		bc	"	9	"	
3	"		"	"	0		30.06	70	69	67		"	"	9	"	
4	"		"	"	0		30.06	70	69	67		"	"	9	"	
5	"		"	"	0		30.08	70	69	68		bcm	"	3	"	
6	"		"	"	0		30.08	70	69	68		ocf	—	0	"	
7	"		"	"	0		30.10	70	69	68		"	—	0	"	
8	"		N.N.W.	"	0		30.10	70	69	68		"	—	0	"	
9	"		"	N W.	1		30.13	68	67	67		bc	cir cum	2	"	
10	"		W N W.	W N W.	2		30.13	70	68	66		"	"	6	"	
11	"		"	"	2		30.12	70	69	66		"	"	6	"	
Noon.	"		"	"	2		30.10	70	69	66		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 330 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2376. "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 82 " 1916 "

P. M.																
1	"		S S W	S S W	2		30.10	71	70	67		bc	cir cum	7	"	
2	"		"	"	2		30.08	73	72	68		"	"	7	"	
3	"		"	"	4		30.07	73	73	68		"	"	8	"	
4	"		"	"	4		30.07	73	74	69		"	"	8	"	
5	"		S	S	4		30.06	73	74	69		"	"	8	"	
6	"		"	"	4		30.06	74	74	69		"	"	8	"	
7	"		"	"	4		30.06	74	72	69		"	"	8	"	
8	"		"	"	4		30.07	74	72	69		"	"	8	"	
9	"		S S E	S S E	3		30.09	73	72	66		"	"	8	"	
10	"		S S W.	"	2		30.09	72	71	66		"	"	8	"	
11	"		S E × S	"	1		30.09	71	71	66		"	"	8	"	
Mid.	"		N N E	"	1		30.08	71	71	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, March 15th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, calm. Aneroid 29.96.
Wainwright Kellogg 1st Lieut

4 to 8 A.M. Weather overcast and foggy. Calm. Barometer steady. Aneroid 30.02.
C. P. Lee 1st Lieut

8 A.M. to Meridian. Cloudy and damp first part, clear and warm latter part. Gentle breeze from N.W. to W.N.W. At 9.30 sounded the battalion call, then manned boats and landed the battalion for exercise. The Commanding Officer of the "Archimedes" returned thanks for our dressing ship yesterday in honor of the birthday of King Humbert of Italy. Aneroid barometer at the close 30.02. Received on board for use of crew 106 lbs fresh beef and vegetables, and 85 loaves of bread.
W. W. Low Master

Meridian to 4 P.M. Weather clear and pleasant, Moderate breeze from S.S.W. Barometer falling. Sent Navigators and 3d divisions and Marine guard ashore for small arm target practice. Aneroid at end of watch 29.92.
Wainwright Kellogg 1st Lieut

4 to 8 P.M. Pleasant weather. Fresh breeze from S. Went to quarters at 4.45 and served out clean hammocks. Got up hammocks 6 bells. Aneroid barometer 30.00.
W. W. Low Master

8 P.M. to Midnight, Clear and pleasant, Light airs from S.S.E. Bright moonlight, Aneroid 29.98.
Wainwright Kellogg 1st Lieut

Moon's mid Dec 19° 40' 00" N. Phase, 1st Qr.

Examined and found to be correct.

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N N W	Calm	0		30.08	71	70	67		bws	none	10	S	
2	"		"	"	0		30.08	71	70	67		"	"	10	"	
3	"		"	N N W.	1		30.05	70	70	67		"	"	10	"	
4	"		"	"	1		30.05	69	69	66		bc	Cirs	9	"	
5	"		"	"	1		30.04	69	69	66		"	"	9	"	
6	"		S W.	S W.	1		30.04	69	69	66		ocm	nimb	0	"	
7	"		S S W	S S W.	1		30.05	69	69	66		"	"	0	"	
8	"		"	Calm	0		30.09	69	69	65		"	"	0	"	
9	"		"	"	0		30.09	69	69	65		"	"	0	"	
10	"		"	"	0		30.09	70	69	65		"	"	0	"	
11	"		N N W	S W.	1		30.10	71	69	66		bcm	Cirrocum	2	"	
Noon.	"		"	"	1		30.09	71	69	66		"	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	325		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2050		"
Coal consumed during the preceding 24 hours	tons	1820	lbs.
Coal remaining on hand at Noon	83	" 2716	"

P. M.															
1	"		N N W	W N W	1		30.08	71	69	66		bc	Cirrocum	6	"
2	"		N.	"	1		30.06	71	70	66		"	"	8	"
3	"		N N W	"	1		30.06	71	70	66		bcmo	"	6	"
4	"		"	W S W.	2		30.05	70	67	65		bcf	Cirrocum	3	"
5	"		"	"	1		30.05	70	67	65		ocmf	nimb	0	"
6	"		W N W	"	1		30.05	69	67	65		bcf	cumulus	11	"
7	"		"	W N W	1		30.08	70	66	64		of	none	0	"
8	"		North	Calm	0		30.09	71	67	65		"	"	0	"
9	"		"	"	0		30.09	71	68	66		"	"	0	"
10	"		"	"	0		30.09	71	68	66		"	"	0	"
11	"		"	"	0		30.09	70	68	66		"	"	0	"
Mid.	"			"	0		30.10	70	68	66		"	"	0	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, March 16th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear pleasant weather. Heavy dews. Calm first half, light airs from W. N. W. last half of watch. Barometer falling. Aneroid 29.96.

R. H. Jumm, Ensign

4 to 8 A M. Clear and pleasant first part, overcast and misty latter part. Light airs from W N W shifting to S W. Aneroid barometer 30.00. Patrick M Sheehan (Lds.) was dishonorably discharged from the U S Naval Service by sentence of Court Martial.

W. W. Mann, Master

8 A M to Meridian. Cloudy. Pleasant. Light variable airs and calms. At 9.30 mustered at quarters and exercised Signal Class. During watch 1st division and Marine Guard fired five rounds each from 3 in rifle at target on shore distant four hundred yards. 1st division and 2d division fired at small arm target five rounds, distant two hundred yards. Aneroid 30.00.

Wainwright Kellogg, 1st Lieut

Meridian to 4 P M. Generally clear and pleasant, foggy last hour. Light airs from W N W. Barometer falling slightly. Aneroid 29.96. At 1.00 sent Powder Division ashore for target practice. At 2.30 Commanding Officer of the Italian man of war "Vettor Pisani" paid an official visit on board. Confined Geo. W. Jones (1 Class Boy) in double irons for safe keeping.

R. H. Jumm, Ensign

4 to 8 P M. Foggy. Light variable airs. At 4.45 mustered at quarters, Aneroid 30.00.

Wainwright Kellogg, 1st Lieut

8 P M to Midnight. Overcast with fog. Calm all the watch. Barometer steady. Aneroid 29.99 at midnight.

R. H. Jumm, Ensign

Moon's mid Dec 18° 27' 32" N. Phase 1st Qr

Examined and found to be correct.

W. T. Parker, Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NE×E	E.	1		30.05	68	68	66		of	none	0	S	
2	"		NW×N	NNW	1		30.03	67	67	65		"	"	0	"	
3	"		"	"	1		30.02	67	67	65		"	"	0	"	
4	"		NNW	WNW.	2		30.02	67	67	65		"	"	0	"	
5	"		"	Calm	0		30.03	68	67	65		ocf	nimb	0	"	
6	"		"	"	0		30.07	68	66	64		"	"	0	"	
7	"		"	"	0		30.09	68	66	64		"	"	0	"	
8	"		"	"	0		30.10	68	66	64		"	"	0	"	
9	"		NW	Calm	0		30.10	68	66	64		"	"	0	"	
10	"		"	"	0		30.10	68	66	64		bcf	"	1	"	
11	"		"	"	0		30.10	69	67	64		"	"	1	"	
Noon.	"		"	"	0		30.10	69	67	64		"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	360	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1700	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	83 " 116	"	

P. M.																
1	"		NW	NW	1		30.08	70	69	67		bcm	cicum	2	"	
2	"		"	"	1		30.06	71	70	67		"	"	2	"	
3	"		"	"	1		30.07	71	69	67		"	"	3	"	
4	"		"	WNW	1		30.07	71	69	67		"	"	3	"	
5	"		NW×N	"	1		30.07	71	70	66		"	"	2	"	
6	"		NNE	Calm	0		30.06	70	68	65		"	"	4	"	
7	"		"	NNE	1		30.06	70	67	65		"	"	4	"	
8	"		N.	"	1		30.08	70	69	66		"	cicum Bcum	2	"	
9	"		"	"	1		30.07	70	69	66		"	"	5	"	
10	"		NW	Calm	0		30.09	70	69	66		"	"	3	"	
11	"		"	"	0		30.09	70	69	66		"	"	2	"	
Mid.	"		N.	N.	1		30.09	70	69	66		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. Mc Cormick, U. S. Navy,

Saturday March 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant though somewhat damp and foggy. Light breze from E to N N W. Barometer falling. Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 A.M. Foggy. Calm. Aneroid 30.00. Received in Pay Dept 106 lbs. beef and vegetables, and 85 loaves of bread.

Wainwright-Kellogg, Lieut

8 A.M to Meridian. Overcast cloudy and foggy clearing a little last part, Calm all the watch, Barometer steady. Aneroid 30.00. At 9.30 mustered and inspected at quarters. By order of Commanding Officer the following punishments were awarded, viz; Thomas E. Filgate. (Drummer) ten first watches for losing trumpet through carelessness. Chas. Carroll. (CS Mr) distrated to seaman for being drunk on duty. Henry Hines. (Cs) five days confinement in double irons and Geo St. Jones. (1 CB.) five days solitary confinement on bread and water for same. By order of Commanding Officer the following changes in ratings as recommended by the examining board, are made to take effect from to day, viz. Alexdr Mc Lean (Cox) to C 2d Mr. L. J. Schuman (CAs) to Coxs. Chas Broad (Sea) to C As.

K. O. Dunn, Ensign

Meridian to 4 P.M. Weather clear and pleasant, Hazy about the horizon, Light breze from N W. Barometer steady. Cirro-cumulus clouds, Issued clothing to the crew. Aneroid barometer 29.95.

Karl Rohrer, Lieut

11 to 4 P.M. [illegible]

U.S.S. "Essex." 3d Rate.
March 17th 1883

Sir:

We recommend that Alex. Mc Lean. (Cox) be rated Chief Quartermaster, Louis J. Schuman (CAs) Coxswain, and Chas. Broad. (Sea) Captain of Afterguard.

Very respectfully

W. H. Wainwright Lieut
W. T. Parker Lieut } Permit board.
Wainwright-Kellogg Lieut

Comdr
A. H. Mc Cormick U.S.N.
Commanding

Received on board 106 lbs fresh beef and vegetables 4.45 mustered at

K. O. Dunn, Ensign

and last hour of watch hours. Barometer clouds. Aneroid

Karl Rohrer, USR Lieut

W. T. Parker
Lieut & Navigator.

Exam. Bk No 4

Chief Boatswains Mate 1
Boatswains Mates 2
Chief Gunners Mate 1
Quartermasters 1
Quartermasters 3
Gunners 3
Captains of Forecastle 2
" " Tops 11
" " Afterguard 12
Coopers Crafts 3
Captain of the Hold 1
Sailmakers Mate 1
Armorer & Cutler 1
Captains of Waist 1
Chief Masters Mate 1
" Carpenter 1
Carpenters Crafts 1
Chief Yeoman 1
Yeomen 1
Ships Corporal 1
Trumpeters 1
Fifers 1
Drummers 1
Master at Arms 1
Ships Steward 1
Ships Cook 1
Steerage Steward 1
" Cook 1
Wardroom Steward 1
" Cook 1
Steerage Steward 1
" Cook 1
Seamen 11
Ordinary Seamen 10
Landsmen 11
Boys 2
Sailmakers 1
Blacksmiths & Engrs. 1
Engineers 7
Firemen 6

Landsmen &c 19

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday March 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant though somewhat damp and foggy. Light breze from E to N N W. Barometer falling. Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 A.M. Foggy. Calm. Aneroid 30.00. Received in Pay Dept 106 lbs. beef and vegetables, and 85 loaves of bread.

Wainwright-Kellogg for Lieut

8 A.M to Meridian. Overcast cloudy and foggy clearing a little last part, Calm all the watch, Barometer steady. Aneroid 30.00. At 9.30 mustered and inspected at quarters. By order of Commanding Officer the following punishments were awarded, viz; Thomas E. Filgate. (Drummer) ten first watches for losing trumpet through carelessness. Chas. Carroll. (C.S.M.) disrated to seaman for being drunk on duty. Henry Hines. (O.S.) five days confinement in double irons and Geo. H. Jones. (1 C.B.) five days solitary confinement on bread and water for same. By order of Commanding Officer the following changes in ratings as recommended by the examining board, are made to take effect from to day, viz. Alexander McLeod (Cox) to C.Q.M. L. F. Schuman, (C.S.) to Cox. Chas. Broad. (Sea) to C.S.

H. O. Dimmick, Ensign

Meridian to 4 P.M. Weather clear and pleasant, Hazy about the horizon, Light breze from N W. Barometer steady. Cirro-cumulus clouds, Issued clothing to the crew. Aneroid barometer 29.95.

Karl Rohrer, Lieut

4 to 8 P.M. Cloudy and misty. Light airs from N. N E and calms, Barometer steady. Aneroid 30.00. Received on board in Pay Department for issue to crew 106 lbs fresh beef and vegetables, and 85 loaves of fresh bread. At 4.45 mustered at quarters.

H. O. Dimmick, Ensign.

8 P.M to Midnight. Clear and pleasant weather. Light airs from N to N N E. during first and last hour of watch and calm during second and third hours. Barometer steady, Cirro-cumulus and cumulus clouds. Aneroid barometer 30.00.

Karl Rohrer, KR Lieut

...ul mid Examined and found to be correct.
16° 12' 39" N.
...ew. 1st Lt.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ancon Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	N N W		N. N. W.	1		30.09	70	69	67		bc	cir cumu	2	S	
2	"		"	"	1		30.09	70	69	67		oo	"	0	"	
3	"		"	Calm	0		30.08	70	69	67		"	cir cumu bound	0	"	
4	"		"	"	0		30.07	70	69	67		"	"	0	"	
5	"		W S W	N W.	1		30.07	68	68	65		bcm	"	4	"	
6	"		"	"	1		30.08	68	68	65		"	cir cumu	4	"	
7	"		"	Calm	0		30.10	68	67	65		"	bound	4	"	
8	"		"	"	0		30.12	69	67	65		"	cir	4	"	
9	"		"	"	0		30.12	70	68	66		bo	cir cumu bound	2	"	
10	"		"	West	1		30.12	70	70	67		"	cir cumu	6	"	
11	"		"	"	1		30.11	70	70	67		"	"	7	"	
Noon.	"		"	"	1		30.11	70	70	67		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1350 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 82 " 2056 "

P. M.																
1	"		W N W	W N W	1		30.08	71	70	67		bc	cir cumu	7	"	
2	"		"	"	1		30.05	71	70	67		"	"	7	"	
3	"		"	"	1		30.02	71	70	67		"	"	7	"	
4	"		"	"	1		30.02	71	70	67		"	"	7	"	
5	"		S	S	1		30.02	71	70	67		"	"	7	"	
6	"		"	"	2		30.01	72	71	67		"	cir cumu bstrat	4	"	
7	"		"	S S E	1		30.03	72	71	67		"	"	6	"	
8	"		N N W	N W	1		30.06	72	70	67		"	"	6	"	
9	"		"	Calm	0		30.10	73	71	68		"	cir cumu	8	"	
10	"		"	"	0		30.10	73	71	68		"	"	5	"	
11	"		"	"	0		30.10	73	71	68		"	"	5	"	
Mid.	"		"	"	0		30.10	73	71	68		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, March 18th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Weather overcast. Light airs from N. W and calms, Barometer falling. Aneroid 30.05

P. Ross Lieut

4 to 8 AM. Cloudy and misty. Light airs from N W and calms, Barometer rising. Aneroid 30.02.

H. C. Wynn. Ensign

8 AM to Meridian. Weather clear and pleasant, Barometer steady. Cirro-cumulus and nimbus clouds. Light breze from the W., At 9.45 the Captain inpected ship and the crew at quarters. Aneroid barometer 30.01.

Ward Robinson, Lieut

Meridian to 4 PM. Weather clear and pleasant. Light airs from N. and W., Barometer falling. Aneroid 29.94.

P. Ross Lieut

4 to 8 PM. Weather clear and pleasant, Light breze from S to S S E. Barometer steady. Cirro-cumulus and stratus clouds. Aneroid barometer 29.98.

Ward Robinson, Lieut

8 PM to Meridian. Weather partly cloudy and pleasant, Calm, Barometer steady. Aneroid 29.96.

P. Ross Lieut

Moon 1 mid
Dec 13° 19' 08" N.
Phase. 1st Qr.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Ancon Bay, Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N×W.	Calm	0		30.08	71	70	68		bc	cirrus	3	⌀	
2	"		"	"	0		30.08	71	70	68		"	"	3	"	
3	"		"	"	0		30.08	71	70	68		"	"	3	"	
4	"		N×E	"	0		30.04	71	70	68		"	"	5	"	
5	"		"	"	0		30.04	71	70	68		"	"	8	"	
6	"		N W.	"	0		30.06	71	70	68		bcm	"	6	"	
7	"		NNW.	NW	1		30.08	71	69	67		"	"	4	"	
8	"		"	"	1		30.10	71	69	67		"	"	4	"	
9	"		"	WNW	1		30.17	70	69	66		"	"	5	"	
10	Underway		SW×W.	SW×W.	1		30.18	70	69	66		bc	"	8	"	
11	6	4	S×E	S.	2		30.18	70	68	65		"	"	8	"	
Noon.			SE	SE	2		30.15	70	68	65		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	325	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1025	"	
Coal consumed during the preceding 24 hours	4 tons	1240	lbs.
Coal remaining on hand at Noon	78 "	816	"

P. M.															
Anchored		SSE	SSE	2	30.11	70	70	67		bc	cirrus	7	"		
2	at		"	2	30.10	71	71	68		"	"	7	"		
Callao Bay		S×E	S×E	2	30.09	71	71	68		"	"	7	"		
4	Peru	"	"	3	30.09	72	71	67		"	"	8	"		
5	"	SSE	SSE	3	30.08	74	71	67		"	"	8	"		
6	"	"	"	3	30.08	74	71	67		"	"	4	"		
7	"	"	"	3	30.09	73	71	67		"	"	6	"		
8	"	"	"	3	30.10	72	71	67		"	"	6	"		
9	"	SE×S.	S	2	30.10	71	68	66		"	"	8	"		
10	"	"	"	2	30.12	71	68	65		"	"	8	"		
11	"	"	SSW	2	30.10	70	67	65		"	"	8	"		
Mid.	"	"	"	2	30.09	70	67	65		"	"	8	"		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, March 19th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Calm. Barometer falling. "Archimedes" making preparations for going to sea. Aneroid barometer 29.97.

W. W. Smith
Master.

4 to 8 A.M. Weather pleasant but hazy. Barometer rising. Calm in early part of watch and light airs from N.W. in latter part. At 4.30 "Archimedes" got underway and left the harbor. Hoisted launch and crossed royal yards. At 7 to started fires in four forward port and two forward starboard boilers. Secured boats for sea and got in catamaran. Aneroid barometer 30.04.

T. Carl Robinson R. Lieut

8 A.M to Meridian. Weather clear and pleasant. Light variable airs. Barometer steady. At 9.23 called all hands up anchors. Got underway at 9.36 and steamed out of harbor bound for Callao Peru. Changed course at intervals shaping course by bearings of the land. Went to quarters at 9.40. At 11.44 made ships number which the "Hartford" answered. Standing in for anchorage in Callao harbor at end of watch. Aneroid 30.00. Ships draft on leaving harbor 13 ft 5 in forward 15 ft 8 in aft. By order of Comdg Officer Henry Hudson (Cox) John R Cobean O.S. 2d and Charles Lloyd (O.S. 2d) are given two hours extra watch for not coming in out of water when word was passed. Oscar Walker (Pvt Marine) one extra post for having soiled gloves at inspection and Sandy Buchanan (Steward) is dismissed to Lieutenant for attempting to smuggle liquor on board.

[illegible] Lieut

Meridian to 4 P.M. Clear and pleasant. Gentle breeze from S.S.E to S by E. At 12.15 made (int) signal 12.11. "Hartford" answered 904. At 12.15 called all hands bring ship to anchor and at 12.30 came to in Callao harbor with starboard anchor in 5 fms water veering to 30 fathoms on each chain. Comdg Officer paid an official visit to "Hartford" At 1.00 commenced distilling. Received official visits from the "Montcalm" and "Huascar" tendering the usual courtesies. Aneroid barometer at the close 30.00. Bearings Anchorage. San Lorenzo Ath = W 4 S
S. end front Id = S ½ E
Ship Head = S S E

W. W. Smith
Master

4 to 8 P.M. Weather clear and pleasant. Gentle breeze from S.E. and E. Barometer steady. Mustered at quarters at 4.45. At 5.30 the "Hartford" made signal 2373. Aneroid 30.00. Distilling.

[illegible] Lieut

8 P.M to Midnight. Pleasant weather, slightly misty. Gentle southerly breeze. Bright moonlight. Distilling. Aneroid barometer 30.04

W. W. Smith
Master

Noon & mid Examined and found to be correct.
Dec 9° 53' 30" N
Phase, 1st Qr

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E.	1		30.09	70	67	64		be	circum	6	S.	
2	"		"	"	1		30.09	70	67	65		"	"	6	"	
3	"		"	"	1		30.09	69	67	65		"	"	7	"	
4	"		"	"	1		30.09	69	67	65		"	"	6	"	
5	"		"	"	1		30.06	69	67	65		"	"	6	"	
6	"		"	"	1		30.06	69	67	65		"	"	6	"	
7	"		"	"	1		30.08	69	67	65		bcm	"	1	"	
8	"		"	"	1		30.10	69	67	65		"	"	1	"	
9	"		"	S x E.	1		30.12	69	67	65		"	"	2	"	
10	"		"	"	1		30.10	69	67	65		"	"	4	"	
11	"		"	S	1		30.08	70	67	65		"	"	6	"	
Noon.	"		"	"	1		30.08	70	68	66		"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	1625	"	
Water remaining on hand fit for use at Noon	2900	"	
Coal consumed during the preceding 24 hours	2 tons	1620	lbs.
Coal remaining on hand at Noon	115 "	1436	"

P. M.															
1	"		S S W	S S W	1		30.07	71	69	66		be	cicu	6	"
2	"		S.	S.	2		30.06	71	69	66		"	"	8	"
3	"		S S W	S S E	2		30.04	72	69	66		"	"	8	"
4	"		S S E	"	2		30.04	72	69	66		"	"	6	"
5	"		"	"	2		30.02	72	69	66		"	"	5	"
6	"		"	"	2		30.02	71	68	65		"	"	6	"
7	"		"	"	2		30.06	71	67	64		"	"	6	"
8	"		"	"	2		30.08	70	67	64		"	"	6	"
9	"		"	"	2		30.08	71	67	64		"	"	6	"
10	"		"	"	2		30.07	71	68	65		"	"	5	"
11	"		"	"	2		30.07	71	68	65		"	"	6	"
Mid.	"		"	"	2		30.07	70	68	65		"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, March 20th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, light airs from S.S.E. Bright moonlight, Aneroid 29.99. Distilling.
W. Winninghet-Kellogg
W.T.C. Lieut

4 to 8 A.M. Weather cloudy and pleasant, light airs from S.S.E. Barometer rising. Stopped distilling and hauled fires. Aneroid 30.03.
C. Dixon Lieut

8 A.M. to Meridian. Pleasant weather, hazy. Light airs from S. by E. Went to quarters at 9.30 and inspected the crew. Made preparations for coaling ship. At 10^oc made signal 5780 with numeral 4. "Hartford" answered. At 10^oc the "Archimides" got anchor up and left the harbor going to the N^d. Aneroid barometer 30.02.
W.W. Smith
Master

Meridian to 4 P.M. Received on board 22 tons of coal. Mail received from the U.S. The Commanding Officer paid official visits to the French ironclad "Montcalm" and Chilian "Huascar" Weather clear and pleasant. Barometer falling slightly. Aneroid at end of watch 29.93. The "Hartford" made Signal 2984. We made signal 4363. Ans 9024.
W. Winninghet-Kellogg
W.T.C. Lieut

4 to 8 P.M. Pleasant weather. Gentle breeze from S.S.E. Continued coaling ship taking in 18 tons. At 5^55 the "Hartford" made signal (general) 2985. Answered. Got up clothes lines. Aneroid bar. 30.00.
W.W. Smith Master

8 P.M. to Midnight, Clear and pleasant. Light breeze from S.S.E. Bright moonlight. At 11^30 the Chilian ironclad "Huascar" went to sea, Aneroid 30.00.
W. Winninghet-Kellogg
W.T.C. Lieut

Moon's mid
Dec 6° 06' 00" N
Phase, 1st Quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.06	69	67	64		bc	cicumst	8	8	
2	"		South	"	1		30.04	69	66	64		"	"	8	"	
3	"		SSW.	"	1		30.04	69	66	64		"	"	8	"	
4	"		WNW.	WNW.	1		30.04	68	65	63		"	"	8	"	
5	"		"	Calm	0		30.05	69	66	64		"	"	7	"	
6	"		"	"	0		30.08	69	66	64		"	cu nimb	4	"	
7	"		NW.	NW.	1		30.10	69	66	64		"	"	1	"	
8	"		"	"	1		30.10	68	65	63		"	cicumst	5	"	
9	"		NW.	NW.	1		30.10	69	67	65		bcf	none	0	"	
10	"		"	"	1		30.10	69	67	65		bcm	cicumst	1	"	
11	"		"	"	1		30.10	69	67	65		"	"	2	"	
Noon.	"		"	"	1		30.10	69	67	65		"	"	2	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2570	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	115 " 1136	"	

P. M.																
1	"		WNW.	WNW	1		30.08	69	69	66		bcm	Cicumst cumb	3	"	
2	"		"	"	1		30.06	70	69	66		"	"	4	"	
3	"		SxW.	SSW.	1		30.04	70	69	66		"	"	4	"	
4	"		"	SSE	1		30.03	70	69	66		"	"	4	"	
5	"		SSE.	"	1		30.06	70	67	65		bc	"	3	"	
6	"		"	"	1		30.06	70	67	65		"	"	5	"	
7	"		"	"	2		30.05	70	67	64		"	"	4	"	
8	"		"	"	2		30.08	70	68	65		"	"	4	"	
9	"		"	"	1		30.10	70	68	65		bcm	"	4	"	
10	"		"	"	1		30.10	70	68	65		"	"	4	"	
11	"		"	"	1		30.10	70	68	65		"	"	4	"	
Mid.	"		South	South	1		30.10	70	68	68		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McComick, U. S. Navy,

Wednesday, March 21st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear pleasant weather. Bright moonlight. Sight airs from S.S.E. and W.N.W. Barometer steady. Aneroid 29.98

H.O. Dunn. Ensign.

4 to 8 A.M. Clear and pleasant, Calms and light airs from N.E. and W., Barometer rising. At 7.30 Hartford made signal 33 57. Aneroid at end of watch 30.02.

W. W. Low
Master

8 A.M. to Meridian. Foggy greater part of watch, misty the remainder. Sight airs from N.N.W. Aneroid 30.04.

Wainwright-Kellogg
Lieut

Meridian to 4 P.M. Cloudy but pleasant, Sight airs from W.N.W. and S.S.W. Barometer falling. Aneroid 29.98. Naval Cadets Thomas C. Prince, U.S.N. John J. Blandin, U.S.N. Albert S. Key U.S.N. and Philo N. McGiffin U.S.N. reported on board for temporary duty in obedience to orders from Rear Admiral Hughes, U.S.N. Commanding Pacific Station. They were granted leave to live on shore until the arrival of the U.S.F.S. "Pensacola".

H.O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, Sight breeze from S.S.E. At 4.45 mustered at quarters. Received on board crank shaft from the United States. Aneroid 30.00.

Wainwright-Kellogg
Lieut

8 P.M. to Midnight, Weather cloudy and misty. Sight airs from S.S.E. and South, Barometer steady. Aneroid 29.99.

H.O. Dunn Ensign.

Moon's mid. Examined and found to be correct.
Dec 2° 06' 16" N
Phase 1st Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
At anchored			S S W.	S S W.	1		30.10	69	68	66		bcm	Cir cumm Cumm.	2	8	
2	"		"	Calm	0		30.09	69	68	66		"	"	4	"	
3	"		N. N W.	"	0		30.09	69	68	66		"	"	6	"	
4	"		"	"	0		30.08	69	67	65		"	"	5	"	
5	"		"	"	0		30.07	67	66	64		bc	"	4	"	
6	"		"	N. N. W.	1		30.10	67	66	64		"	"	4	"	
7	"		"	"	1		30.13	67	66	64		"	"	4	"	
8	"		"	Calm	0		30.13	67	66	64		"	"	5	"	
9	"		"	N N W.	1		30.15	68	67	65		"	"	6	"	
10	"		"	"	1		30.15	69	68	66		"	"	7	"	
11	"		"	"	1		30.15	69	68	66		"	"	9	"	
Noon.	"		"	N W	1		30.15	69	68	66		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 400 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2170 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 115 " 836 "

P. M.															
1	"		N N W.	N N W	1		30.10	70	68	66		bo	Ci cumm	5	
2	"		"	"	1		30.10	70	68	66		"	"	5	
3	"		N.	N.	1		30.10	70	68	66		"	"	3	
4	"		"	"	1		30.10	70	68	66		"	"	3	
5	"		N E	Calm	0		30.08	70	68	66		"	"	2	"
6	"		"	"	0		30.08	70	68	66		"	"	3	"
7	"		"	S E	2		30.10	69	68	66		"	Ci cir-cumm	4	"
8	"		"	"	2		30.10	68	67	65		"	"	4	"
9	"		"	Calm	0		30.10	67	69	66		"	"	4	"
10	"		"	S E	1		30.10	67	69	66		"	"	5	"
11	"		"	"	1		30.10	67	69	66		"	"	5	"
Mid.	"		"	"	1		30.10	67	69	66		"	"	6	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, March 22d, 1888.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light airs from S.S.W. in first hour of watch. Barometer falling slowly. Cirro-cumulus and cumulus clouds. Aneroid barometer 30.00.

Karl Rohrer, MR Lieut

4 to 8 A.M. Clear and pleasant, light variable airs and calms. At 7.45 made signal 5485, "Hartford" answered 904. Loosed sail. Aneroid barometer 30.06.

Warrington Kellogg
COX Lieut

8 A.M. to Meridian, Clear and pleasant, light airs from N.N.W. and N.W. Barometer steady. Aneroid 30.04. At 10a made general signal 5780, numeral 4. Masters at quarters at 9.30 and drilled as per routine. Released from confinement Henry Hines, (OS) and Geo W. Jones. (1CB.) their term of punishment having expired.

H. O. Dunn, Ensign.

Meridian to 4 P.M. Weather pleasant. Light breize from N to N.N.W. Barometer steady. Cirro-cumulus clouds. At 1.0 made signals interrogatory, No 48 K. which "Hartford" answered with signal No 904. Furled sail. John O'Connell. (Sea) left the 2d Cutter without permission while she was alongside the mole on her 12.30 trip. Aneroid barometer 29.98.

Karl Rohrer, Lieut

4 to 8 P.M. Cloudy but pleasant, Calm first part, light breeze from S.E latter part of watch. Barometer steadi. Aneroid 30.02. At 4.35. U.S.S. "Hartford" got underway and steamed out to sea. At 4.45 mustered at quarters. Absent without leave John O'Connell. (Sea) At 5.0 made general signal 2985. At 5.55 called all hands and sent down royal and topgallantyards and topgallantmasts.

H. O. Dunn, Ensign

8 P.M. to Midnight. Weather clear and pleasant. Calm in early part of watch and light airs from S.E in latter part. Barometer steady at 30.10. At 9.40 beat to general quarters and the times of casting loose of the divisions were as follows:- 1d. 3min 30sec, 2d, 3min 55sec 3d 2min 0sec Masters. 2min 5sec, Powder 1min 0sec, Engineers 2min 25sec and Marines 1min 50sec. The times made in securing were as follows:- 1d, 2min 03sec. 2d, 2min 50sec, 3d, 1min 10sec, Masters, 35sec, Powder 0min 40sec, Engineers 1min 05sec. and Marines 0min 45sec, Bright moon and starlight, Aneroid barometer 30.00.

Karl Rohrer, MR Lieut

Moon's mid Dec 1° 56' 34" S. Phase, 1st Quarter.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E	E.	1		30.06	67	67	65		bc	cir cumu	4	S	
2	"		E N E	E N E.	1		30.03	67	67	65		"	"	6	"	
3	"		"	Calm	0		30.03	67	67	65		bcu	"	7	"	
4	"		"	"	0		30.02	67	67	65		"	"	7	"	
5	"		"	S × W.	1		30.04	66	66	65		"	"	4	"	
6	"		"	"	1		30.04	65	65	64		"	"	3	"	
7	"		"	"	1		30.04	65	65	64		"	"	5	"	
8	"		"	Calm	0		30.06	67	68	66		"	"	4	"	
9	"		S S E	S S E.	1		30.10	67	67	65		bc	Cir cumu 3 Cumu	6	"	
10	"		"	"	1		30.10	67	68	65		"	"	6	"	
11	"		"	"	1		30.10	68	68	65		"	"	8	"	
Noon.	"		"	"	1		30.08	68	68	65		"	"	8	"	

P. M.																
1	"		S	S	2		30.03	70	69	66		bc	cir cumu	8	"	
2	"		"	"	2		30.01	70	70	67		"	"	8	"	
3	"		"	"	1		30.00	71	70	67		"	"	8	"	
4	"		"	"	1		30.00	71	70	67		"	"	8	"	
5	"		S S E	S S E.	1		30.00	72	70	67		"	"	8	"	
6	"		"	"	1		30.00	72	70	67		"	"	6	"	
7	"		"	"	1		30.00	71	70	67		"	cir str.	3	"	
8	"		"	"	1		30.01	71	70	67		"	"	3	"	
9	"		"	"	2		30.03	70	67	65		"	"	2	"	
10	"		"	"	2		30.03	69	67	65		"	"	2	"	
11	"		S	"	2		30.03	69	67	65		"	"	5	"	
Mid.	"		S. S E	"	2		30.02	68	67	65		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1720 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 115 " 536 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude — observed at sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday March 23d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Weather clear and pleasant, light variable airs and calms, Barometer falling. Aneroid at the end of watch 29.98.

J R Lee Lieut

4 to 8 A M. Cloudy but pleasant, Misty, light airs and calms, from S by W. Barometer steady. Aneroid 30.00 At 7.30 made general signal 3351.

W D Winn. Ensign.

8 A M to Meridian. Weather clear and pleasant, Barometer steady at 30.10. Cirro-cumulus and cumulus clouds, light breeze from SE. At 9.30 went to fire quarters. John O'Connell (Sea) absent from the ship without leave. The French flagship cockbilled her yards at 8.00 and began firing hour guns. A German ship of war standing in for the harbor. Crew engaged in rattining down topmast rigging, smoothing topgallant masts, flying jibboom and inspecting martingale stays. Aneroid barometer 30.00. "Onward" made signal No 5780 and numeral 1 at 10.00

Hart Rohrer, Lieut

Meridian to 4 P M. Weather clear and pleasant, light airs from SE, Barometer falling. The German Steamer "Moltke" came in and anchored at 12.10. Sent an officer to board her and extend the usual civilities at 12.30. Made signal 2984 at 3.30. Aneroid at end of watch 29.92.

J R Lee Lieut

4 to 8 P M. Weather clear and pleasant, light breeze from SSE. Barometer steady, Clouds cirro-cumulus and cirro-stratus. An officer from the German Corvette "Moltke" visited the ship officially. Sent up topgallant masts and crossed topgallant yards. Mustered crew at quarters finding John O'Connell (Sea) absent without leave. Aneroid barometer 29.95.

Hart Rohrer, Lieut

8 P M to Midnight. Weather partly cloudy and pleasant. Bright moonlight, light airs from S & E. Barometer steady. Aneroid 30.00

J R Lee Lieut

Moon's mid Examined and found to be correct.
Dec 5° 53' 47" S.
Phase. Full moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Ballao Bay. Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S & E	S & E	2		30.02	68	67	65		bc	Cicumm	8	S	
2	"		"	"	2		30.02	68	67	65		"	"	8	"	
3	"		S	S	1		30.00	68	66	64		"	"	8	"	
4	"		"	"	1		30.00	68	66	64		"	"	8	"	
5	"		"	"	1		30.00	68	66	64		bcm	Cicstr	8	"	
6	"		"	"	1		30.00	68	66	64		"	"	8	"	
7	"		E & S.	E & S	1		30.00	68	66	64		"	"	5	"	
8	"		S W.	Calm	0		30.4	68	66	64		"	"	6	"	
9	"		"	"	0		30.07	69	68	66		"	"	7	"	
10	"		"	"	0		30.10	71	69	67		"	"	6	"	
11	"		"	"	0		30.09	71	69	67		"	"	6	"	
Noon.	"		S W	S. W.	1		30.08	71	69	67		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 360 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1370 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 115 " 236 "

P. M.																
1	"		S. S. E	S. S. E	1		30.06	71	69	66		bc	Cicumm	6	"	
2	"		"	S S W.	1		30.06	71	69	66		"	"	6	"	
3	"		"	"	1		30.05	72	69	66		"	"	6	"	
4	"		"	"	1		30.05	71	69	66		"	"	5	"	
5	"		"	S. S. E	1		30.05	71	69	66		"	Cicstr	3	"	
6	"		"	"	1		30.05	70	68	66		"	"	4	"	
7	"		"	"	1		30.05	70	68	66		"	"	3	"	
8	"		"	"	1		30.05	70	68	66		"	"	3	"	
9	"		"	"	1		30.05	70	68	66		"	"	5	"	
10	"		"	"	1		30.07	70	68	66		"	Cicumm	8	"	
11	"		"	"	1		30.06	70	68	66		"	"	6	"	
Mid.	"		"	"	1		30.06	70	68	66		"	"	6		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, 24 March, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M, Clear and pleasant. Bright moonlight. Light breze from S by E to South. Aneroid barometer 29.94.

W.M. Smith Master

4 to 8 A.M. Weather pleasant but hazy about the horizon. Barometer steady, Cirro stratus clouds. Light airs from South to E by S in early part of watch and calm in latter part, Two steamers came in from S., At 7.30 made signal No 3357. Aneroid barometer 29.98.

Karl Rühmer, USN Lieut

8 A.M to Meridian. Weather clear and pleasant, Calm, Barometer steady. Mustered at quarters at 9.30. John O'Connell. Seaman absent without leave. Aneroid at end of watch 29.94.

C. P. Rae Lieut

Meridian to 4 P.M. Pleasant weather, Light airs varying from S.S.E. to S.S.W. Sent gig and 2d Cutter to convey Mr Patridge, U.S Minister to Peru on board steamer for the North with his bagge, Naval Cadets R. S. Dashiell, Geo P. Blow. H. C. Haines, Geo. Babbitt, W. L. R. Emmet. D. W. C. Redgrave and W. H. Gartley also went to the same steamer having been detached from this ship and ordered to proceed to Annapolis. Md for examination for promotion. Comdg Officer paid an official visit to the German Frigate "Moltke" Aneroid barometer at the close 29.98.

W.M. Smith Master

4 to 8 P.M. Weather cloudy and pleasant, Light airs from S.S.E. Barometer steady. Mustered at quarters at 4.45. John O'Connell. Seaman absent without leave, A Chilian transport came in and anchored at 7.45. Aneroid at end of watch 29.99.

C. P. Rae Lieut

8 P.M to Midnight, Clear delightful weather. Bright moonlight. Light airs from S.S.E. Long swell from seaward and ship rolling deeply at times, At 9.15 the "Huascar" came in and anchored. Aneroid barometer 30.00.

W.M. Smith Master

Moon's mid Dec 9° 36' 53" S.
Phase. Full moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S W	N. N. E.	1		30.04	68	68	66		bcm	Ci cum / Cu cum	6	S.	
2	"		W. N. W.	E by E.	2		30.03	66	66	64		"	"	6	"	
3	"		S W by W	E S E.	2		30.00	66	66	64		"	"	6	"	
4	"		E S E.	S.	2		30.00	67	67	65		"	"	6	"	
5	"		"	"	1		30.01	67	67	64		bc	Ci cum	8	"	
6	"		"	S S E	1		30.03	67	66	64		"	"	8	"	
7	"		"	"	1		30.06	67	67	65		"	"	8	"	
8	"		"	"	1		30.08	67	67	65		"	"	7	"	
9	"		"	"	1		30.07	69	68	66		"	"	7	"	
10	"		"	"	1		30.08	69	68	66		"	"	8	"	
11	"		"	"	1		30.07	70	69	66		"	"	8	"	
Noon.	"		"	"	1		30.07	70	69	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1025	"	
Coal consumed during the preceding 24 hours	tons	700	lbs.
Coal remaining on hand at Noon	114 "	1776	"

P. M.																
1	"		S.	S	1		30.05	72	70	67		bc	Ci cum	7	"	
2	"		"	"	3		30.03	73	70	67		"	"	7	"	
3	"		"	"	3		30.01	73	70	67		"	"	6	"	
4	"		"	"	3		30.00	73	70	67		"	"	6	"	
5	"		S S E	S S E	2		30.01	72	69	66		"	"	8	"	
6	"		"	S	2		30.00	71	68	65		"	"	8	"	
7	"		"	S S E	3		30.01	70	67	64		"	"	8	"	
8	"		"	"	2		30.00	70	67	65		"	"	8	"	
9	"		"	"	1		30.02	70	67	65		"	"	8	"	
10	"		"	"	1		30.02	70	67	65		"	"	8	"	
11	"		S.	S	1		30.04	70	67	65		"	"	8	"	
Mid.	"		"	"	1		30.04	70	67	65		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, March 25th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Misty. Pleasant, Bright moonlight. Aneroid barometer 29.95.

Wainwright Kellogg
1st Lieut

4 to 8 A.M. Weather clear and pleasant. Light airs from S.E. and E.S.E. Barometer rising. Received for ship's company. 104 lbs fresh beef. 104 lbs vegetables and 83 loaves of bread. At 7.30 made signal 3351. Aneroid at end of watch 29.99.

Clear
1st Lieut

8 A.M. to Meridian. Pleasant weather. Light airs from S.S.E. Went to quarters at 9.30. Commanding Officer inspected the ship and crew. John O'Connell (Sea) absent without leave. At 10m the "Onward" made signal 5780 with numeral 1. Sent an officer to the "Huascar" to tender the usual courtesies. Aneroid barometer 29.98.

W. W. Low
Master

Meridian to 4 P.M. Clear and pleasant, light to moderate breeze from South. Received an official visit from an officer of the Chilian "Huascar". Aneroid 29.92.

Wainwright Kellogg
1st Lieut

4 to 8 P.M. Clear and cool, bright starlight latter part. Gentle breeze from South to S.S.E. Barometer steady. At 6m made signal 2985. "Onward" answered. Made preparations for sending down mizzen topmast. Aneroid barometer 29.86.

W. W. Low
Master

8 P.M. to Midnight, Clear and pleasant, light airs from S.E. Bright moonlight, Aneroid 29.98.

Wainwright Kellogg
1st Lieut

Moon's mid. Dec 12° 57' 19" S.
Phase. Full moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.05	70	67	65		bc	cicumu	8	S	
2	"		"	"	1		30.08	70	67	65		"	"	8	"	
3	"		"	Calm	0		30.07	69	67	65		bcm	"	6	"	
4	"		ESE.	"	0		30.08	67	66	65		"	"	8	"	
5	"		SSE.	South	1		30.06	67	66	64		"	"	8	"	
6	"		"	"	1		30.08	67	66	63		"	"	8	"	
7	"		"	"	1		30.02	68	66	64		bc	"	8	"	
8	"		ESE	SSE	1		30.05	68	66	64		"	"	8	"	
9	"		SSE.	"	1		30.06	68	67	65		"	"	6	"	
10	"		"	"	1		30.06	69	67	65		"	"	3	"	
11	"		"	"	2		30.04	69	67	65		"	"	3	"	
Noon.	"		"	"	2		30.01	69	67	65		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	670	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	114 " 1476	"

P. M.																
1	"		South	South	2		30.00	70	67	65		bcm	Ci cumu Nimbo	2	S	
2	"		"	"	2		29.96	70	68	66		"	"	3	"	
3	"		"	"	1		29.96	70	68	66		"	"	5	"	
4	"		"	"	1		29.96	70	68	66		"	"	4	"	
5	"		SSE	SSE	2		29.95	70	68	66		bc	Ci cumu Stratus	4	"	
6	"		"	"	2		29.93	70	68	66		"	"	4	"	
7	"		"	"	2		29.94	70	67	65		"	"	4	"	
8	"		"	"	2		29.95	70	67	65		"	"	5	"	
9	"		"	"	2		29.96	70	67	65		bcm	Ci cumu	9	"	
10	"		"	"	1		29.99	69	67	65		"	"	8	"	
11	"		"	"	1		30.01	69	67	65		"	"	8	"	
Mid.	"		"	"	1		30.01	68	66	64		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, 26th March, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, bright moonlight all the watch. Misty around horizon. Light airs from S.S.E. Calm last part, Barometer rising. Aneroid 30.02.

H. O. Dunn Ensign.

4 to 8 A.M. Pleasant weather, slightly misty. Light southerly airs. At 7.30 made signal (general.) 3384. "Onward" answered. Sent down mizzen topmast. Aneroid barometer 29.97.

W. W. Winn Master

8 A.M to Meridian, Cloudy. Pleasant. Light breeze from S.S.E. At 9.30 mustered at quarters. John O'Connell, (Sea) absent without leave. Exercised 1st division at great guns; 2d at single sticks & 3d at small arms. Received official calls from Commanding Officers of German corvette "Moltke" and Chilian ironclad "Huascar" Unbent foresail, Aneroid 29.94.

Wainwright Kellogg 2d Lieut

Meridian to 4 P.M. Cloudy but pleasant, Light breezes and airs from South, Misty, Barometer falling, Aneroid 29.89. At 3.30 made general signal 29 & 4. Sent up mizzen topmast.

H. O. Dunn. Ensign.

4 to 8 P.M. Pleasant. Light breeze from S.S.E. Scraped spars. At 4.45 mustered at quarters, John O'Connell. (Sea) absent without leave, Aneroid 29.90.

Wainwright Kellogg 2d Lieut

8 P.M to Midnight, Clear and cool. Bright moonlight, Misty around horizon. Light airs from S.S.E. Barometer steady. Aneroid 29.92. Long heavy swell from N.N.W.

H. O. Dunn Ensign

Moon's mid Dec 15° 46' 43" S.
Phase. Full moon

Examined and found to be correct.

W. W. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S × E	S × E	1		29.98	68	66	64		bc	ci cumn	4	S	
2	"		"	"	1		29.96	68	66	64		"	"	4	"	
3	"		"	"	1		29.94	67	66	64		bcf	"	6	"	
4	"		W. S. W.	W S W.	1		29.94	67	66	64		"	"	6	"	
5	"		"	Calm	0		29.94	67	66	64		"	"	3	"	
6	"		"	"	0		29.94	67	66	64		"	"	3	"	
7	"		N.	"	0		29.96	67	65	64		of	None	0	"	
8	"		"	"	0		29.98	67	65	64		"	"	0	"	
9	"		N. N. W.	N. N. W.	1		30.05	66	63	62		ocf	"	0	"	
10	"		"	"	1		30.04	66	64	62		"	"	0	"	
11	"		"	"	1		30.04	67	65	64		bcm	ci cumn	2	"	
Noon.	"		"	"	1		30.03	68	66	64		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 320 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 114 " 1176 "

P. M.																
1	"		N. N. W.	N. N. W.	1		30.00	69	68	66		bcm	ci cumn	3	"	
2	"		"	"	1		30.00	69	69	66		bc	"	6	"	
3	"		"	"	1		29.99	69	69	66		"	"	6	"	
4	"		"	"	1		29.99	70	70	67		"	"	7	"	
5	"		"	"	1		29.99	70	70	67		"	"	7	"	
6	"		"	"	1		29.99	70	70	67		"	"	7	"	
7	"		"	"	1		29.99	70	70	67		"	"	7	"	
8	"		N.	North	1		30.00	70	70	67		"	"	7	"	
9	"		N N E	N. N. E.	1		30.05	68	68	65		bcm	"	8	"	
10	"		"	"	1		30.05	68	67	65		"	"	8	"	
11	"		N. E	"	1		30.04	68	66	64		"	"	8	"	
Mid.	"		E N E	N. E	1		30.05	67	66	64		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, March 27th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Barometer falling. Light breeze from S by E. Cirro-cumulus clouds. Aneroid barometer 29.90.

Ward Robbins, Lieut

4 to 8 A.M. Thick fog, Calm, At 7.45 crossed royal yards. Received for ship's company 186 lbs of beef and vegetables and 83 loaves of bread. Aneroid 29.95.

Wainwright Kellogg, 2d Lieut

8 A.M. to Meridian, Overcast with fog first part, clearing latter part of watch to light mist, Light airs from S.S.W. Barometer steady, Aneroid 29.98. At 9.30 mustered at quarters, Absent without leave. John O'Connell, (Sea.) Instructed divisions orally. Engineer's force engaged in disconnecting engines, At 11.20 the French ironclad "Montcalm" left the harbor

T. O. Flynn, Ensign.

Meridian to 4 P.M. Weather clear and pleasant, Barometer falling. Light breeze from N.N.W. Cirro-cumulus clouds. Engaged in refitting footropes on fore yard, smoothing studding sail booms and in taking apart the engine with a view to hoisting out the crank shaft, Aneroid barometer 29.91.

Ward Robbins, Lieut

4 to 8 P.M. Clear and pleasant, Light airs from S.S.W and South, Barometer rising. Aneroid 29.98. At 4.45 mustered at quarters, Absent without leave. John O'Connell, (Sea.) At 5.55 " made general signal 2985, At 6.10 Chilian corvette "Chacabuco" came in and anchored. At 7.00 started fires in two port forward boilers for distilling.

T. O. Flynn, Ensign

8 P.M. to Midnight. Clear and pleasant weather, Barometer falling, Light breeze from S.S.E. Haze about the horizon, Cirro-cumulus clouds. Commenced distilling at 9.20. Bright moon and starlight, Aneroid barometer 29.98.

Ward Robbins, Lieut

Moon's mid Dec 17° 56' 54" S.
Phase Full moon.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	Anchored		N. E	Calm	0		30.05	66	66	64		bcm	Cirrus	6	S	
2	"		"	"	0		30.05	67	66	64		bcf	"	2	"	
3	"		"	"	0		30.02	66	65	63		"	"	2	"	
4	"		"	"	0		30.00	66	65	63		bcm	"	5	"	
5	"		"	"	0		30.00	66	65	63		"	"	5	"	
6	"		"	"	0		30.00	66	65	63		"	"	5	"	
7	"		"	"	0		30.00	66	65	63		"	"	5	"	
8	"		N. N. E	"	0		30.02	66	65	63		"	"	5	"	
9	"		"	"	0		30.04	67	66	64		"	"	5	"	
10	"		"	S S E	1		30.04	68	67	65		"	"	6	"	
11	"		S E	"	1		30.05	69	68	66		"	"	6	"	
Noon.	"		"	"	1		30.05	67	68	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1600 "

Water remaining on hand fit for use at Noon 1570 "

Coal consumed during the preceding 24 hours 2 tons 920 lbs.

Coal remaining on hand at Noon 112 " 256 "

P. M.																
1	"		S S E	S S E	1		30.04	69	68	65		bcm	Cirrus	8	"	
2	"		"	"	1		30.03	69	68	65		"	"	6	"	
3	"		"	"	1		30.01	69	68	65		"	"	3	"	
4	"		"	"	1		30.01	69	67	65		bc	"	5	"	
5	"		"	"	1		30.00	70	69	67		"	"	5	"	
6	"		"	"	2		30.00	69	66	64		bcm	Cm strat	4	"	
7	"		S E × S.	S E × S	3		30.00	69	65	63		ocm	Nimb	0	"	
8	"		"	"	3		30.00	69	65	63		bc	"	3	"	
9	"		"	"	2		30.01	69	66	64		"	"	4	"	
10	"		"	"	2		30.03	69	66	65		"	"	2	"	
11	"		"	"	2		30.04	69	66	65		"	"	2	"	
Mid.	"		"	"	1		30.04	69	66	65		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, March 28th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant Barometer falling. Aneroid 29.94.

C. P. Rees Lieut

4 to 8 A.M. Cloudy and misty but pleasant, Calm, Barometer steady. Aneroid 29.99. At 7.10 H.M.S. "Comus" came over from San Lorenzo and anchored, At 7.30 made general signal 3357. Received on board in Pay Department 103 lbs. fresh beef and vegetables and 83 loaves of bread for issue to crew. Distilling.

H. O. Flynn Ensign

8 A.M to Meridian, Weather clear and pleasant, Light breeze from S.S.E. Barometer steady. Distilling. At 9.30 mustered and inspected crew at quarters, finding John O'Connell (Seaman) absent without leave, Exercised 1st division at small arms, 2d at great guns, 3d at singlesticks. Master's division at small arms and Powder division at singlesticks. Engaged in taking apart the engine with a view to hoisting out the crank shaft, Aneroid barometer 29.92.

Karl Rohwer Lieut

Meridian to 4 P.M. Weather cloudy and pleasant, Light airs from S. and E. Barometer falling. Distilling. The P.S.M.S.S. Co's Steamer from Panama brought mail for the squadron, At 3.30 made signal 2984. Aneroid at end of watch 29.93.

C. P. Rees Lieut

4 to 8 P.M. Pleasant weather though cloudy in latter part of watch, Light to gentle breeze from S.E by S. Barometer steady. Cirro-cumulus, cumulo-stratus and nimbus clouds. At 4.45 mustered crew at quarters finding John O'Connell (Seaman) absent without leave. Distilling. Aneroid barometer 29.96.

Karl Rohwer Lieut

8 P.M to Midnight, Weather cloudy and pleasant, Light airs from S.E by S. Barometer rising. Stopped distilling at 10.00 and hauled fires. Aneroid at end of watch 29.99

C. P. Rees Lieut

Moon's mid Dec 19° 26' 14" S. Phase, Full moon

Examined and found to be correct.

W. H. T. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.01	67	66	65		bc	Ci cum	4	S	
2	"		"	"	1		30.00	67	66	64		"	"	4	"	
3	"		"	"	1		29.98	67	66	65		"	"	3	"	
4	"		"	"	1		29.98	67	66	65		"	"	1	"	
5	"		"	"	1		30.00	67	66	65		"	Cum Nimb	1	"	
6	"		"	"	1		30.01	67	66	65		"	"	1	"	
7	"		S.E.	S.E.	1		30.02	68	66	65		"	Ci cum	5	"	
8	"		"	"	1		30.02	68	67	65		"	"	6	"	
9	"		S	S	1		30.03	70	68	66		"	"	7	"	
10	"		"	"	1		30.02	70	68	66		"	"	7	"	
11	"		"	"	1		30.00	70	68	66		"	"	8	"	
Noon.	"		"	"	1		30.00	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water distilled during the preceding 24 hours	1430 "		
Water remaining on hand fit for use at Noon	2650 "		
Coal consumed during the preceding 24 hours	1 tons 260 lbs.		
Coal remaining on hand at Noon	110 " 2236 "		

P. M.														
1	"	S.	S	2	29.98	71	70	68	bcm	Ci cum	7			
2	"	"	"	2	29.96	71	70	68	"	"	8			
3	"	"	"	3	29.94	72	70	68	"	"	6			
4	"	"	"	3	29.94	72	70	68	"	"	6			
5	"	SSE	SSE	2	29.94	70	68	65	"	Ci cum Cumul	4			
6	"	"	SE	2	29.96	70	67	65	"	"	5			
7	"	"	"	2	30.00	70	66	65	bc	"	5			
8	"	"	"	2	30.00	70	66	65	"	"	5			
9	"	"	"	2	30.00	70	66	65	"	"	5			
10	"	"	"	2	30.00	70	66	65	"	"	5			
11	"	"	"	2	30.00	70	66	65	"	"	6			
Mid.	"	"	"	2	30.00	70	66	65	"	"	3			

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McComick, U. S. Navy,

Thursday, March 29th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Light airs from S.S.E Long swell from seaward. Aneroid barometer 29.94.

W.M. Smith Master

4 to 8 A.M. Pleasant weather. Barometer rising. Cirro-cumulus cumulus and nimbus clouds. Light airs from S.S.E to S.E. At 7.30 made signal No. 3357. Aneroid barometer 29.96.

Karl Rohrdt Lieut

8 A.M to Meridian. Weather clear and pleasant. Light breeze from S.E. Exercised at quarters at 9.30. John O'Connell (Sea) Absent without leave. The Commanding Officer paid official visits to H.M.S "Comus" and the Chilian "Huascar" at 11 A.M. A party of German officers from the "Moltke" and a party of English officers from the "Comus" visited the ship. Aneroid at end of watch 29.93.

C. Riley Lieut

Meridian to 4 P.M. Pleasant weather. Moderate breeze from S.E, Slightly misty. Aneroid barometer 29.93.

W.M. Smith Master

4 to 8 P.M. Weather partly cloudy and pleasant. Gentle breeze from S.E and E.S.E, Barometer rising. Mustered at quarters at 4.45 Unbent fore topsail and bent fore sail at 5.20. Made signal 2985 at 6.00. Sent down topg all out and royal yards at 6.05. Aneroid at end of watch 29.98. John O'Connell (Sea) absent without leave.

C. Riley Lieut

8 P.M to Midnight. Cloudy and cool. Gentle breeze from S.E. Barometer steady. Aneroid barometer 29.94

W.M. Smith Master

Moon's mid Dec 19° 50' 07" S. Phase. Full moon

Examined and found to be correct.

W.H.T. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex". , 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.00	69	67	66		bcm	Ci cum / Cum	4	S	
2	"		"	"	1		30.00	69	67	66		"	"	4	"	
3	"		S	Calm	0		29.99	69	67	66		"	"	5	"	
4	"		"	"	0		29.98	69	67	66		"	"	6	"	
5	"		SSE.	"	0		29.98	67	67	65		"	"	6	"	
6	"		SW×W.	"	0		29.98	67	67	65		"	"	6	"	
7	"		"	"	0		30.01	64	64	63		"	"	6	"	
8	"		SW	SSW.	1		30.03	67	65	64		"	"	6	"	
9	"		SSE.	SSE	1		30.05	69	67	66		bc	circum	6	"	
10	"		"	"	1		30.05	69	68	66		"	"	7	"	
11	"		S	S	1		30.03	70	68	66		"	"	7	"	
Noon.	"		"	"	1		30.01	70	69	66		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2300 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 110 " 1936 "

P. M.																
1	"		S	S	1		30.00	70	69	66		bc	circum	7	"	
2	"		"	"	1		30.00	70	69	66		"	"	7	"	
3	"		"	"	1		29.94	70	69	66		"	"	7	"	
4	"		"	"	1		29.92	70	69	66		"	"	3	"	
5	"		"	"	1		29.94	70	69	66		"	"	5	"	
6	"		SSE.	SSE	1		29.96	70	69	66		"	Ci cum / Strat	6	"	
7	"		"	"	1		29.96	70	69	66		"	"	2	"	
8	"		"	"	1		29.98	70	69	66		"	"	2	"	
9	"		"	"	2		30.00	70	67	65		"	Ci cum	5	"	
10	"		"	"	2		30.02	70	67	65		"	"	6	"	
11	"		"	"	2		30.00	70	67	65		"	"	6	"	
Mid.	"		"	"	2		30.00	69	67	65		"	"	6		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, March 30th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Misty. Pleasant, Light variable airs and calms. Aneroid 29.90.

Wainwright-Keeney
Lieut

4 to 8 A.M. Weather clear and pleasant, Calm, Barometer steady. At 7.30 made signal 3357. Crossed topgallant yards at 7.45. U.S.S. "Comus" left the harbor at 6.15. Aneroid at end of watch 29.94.

Lieut

8 A.M to Meridian. Clear and pleasant. Light airs from S.S.E. shifting to S. Inspected crew at quarters at 9.30; after which exercised the Naval Brigade. At 10.30 "Onward" made signal (Int) 3357. Ans 9.44 Engineers force employed in taking machinery apart, John O'Connell (Sea) absent without leave. At 10.00 "Onward" made signal 5710 with numeral 0. Aneroid barometer 29.94.

W.M. Emmons
Master

Meridian to 4 P.M. Weather partially clear and pleasant, Light airs from South. Barometer falling. Aneroid 29.88. At 3.25 made signal 2984. Engineer's force engaged in taking apart engines.

Wainwright-Keeney
U.S.N. Lieut

4 to 8 P.M. Cloudy and cool, Light airs from S.S.E. Mustered at quarters at 4.45. John O'Connell. (Sea) absent without leave. Aneroid barometer 29.92.

W.M. Emmons
Master

8 P.M to Midnight, Clear and pleasant, Light breeze from S.S.E. Aneroid 29.92.

Wainwright-Keeney
U.S.N. Lieut

Moon's mid Dec. 19° 21' 42" S.
Phase. Full moon

Examined and found to be correct.

W. F. F. Parker
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Gallao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	2		29.98	70	66	64		bc	circum	5	5	
2	"		"	"	2		29.98	70	66	64		"	"	5	"	
3	"		"	"	2		29.98	70	66	64		"	"	5	"	
4	"		"	"	1		29.94	68	66	64		"	"	5	"	
5	"		"	Calm	0		29.94	67	66	64		"	"	4	"	
6	"		"	"	0		29.95	67	66	65		"	"	4	"	
7	"		"	"	0		29.95	69	66	65		"	"	3	"	
8	"		W.	"	0		29.96	68	66	65		"	"	2	"	
9	"		SSW	SSE	1		30.01	68	66	65		"	"	3	"	
10	"		SSE.	"	1		30.01	69	68	66		"	"	6	"	
11	"		S.		1		30.00	69	68	66		"	"	6	"	
Noon.	"		SSW.	SSW.	1		29.99	70	69	66		"	"	8	"	

P. M.																
1	"		S×W.	S×W	3		29.98	70	69	66		bcz	circum	8	"	
2	"		South	South	4		29.96	70	69	66		"	"	8	"	
3	"		SSE	SSE	4		29.94	70	69	66		"	"	7	"	
4	"		"	"	4		29.93	70	69	66		"	"	7	"	
5	"		"	"	4		29.93	72	69	66		"	"	7	"	
6	"		"	"	4		29.92	71	69	66		"	"	6	"	
7	"		"	"	4		29.92	70	69	66		"	"	6	"	
8	"		"	"	4		29.92	70	69	66		"	"	6	"	
9	"		"	"	2		29.94	70	66	64		bc	"	6	2	
10	"		"	"	2		29.95	70	66	64		"	"	8	"	
11	"		"	"	2		29.95	69	66	64		"	"	8	"	
Mid.	"		"	"	2		29.93	68	66	64		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — / "

Water remaining on hand fit for use at Noon — 1950 "

Coal consumed during the preceding 24 hours — tons — 300 lbs.

Coal remaining on hand at Noon — 110 " — 1636 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, March 31st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather generally cloudy, moon shining through clouds at intervals. Light breezes and airs from S.S.E. Barometer falling last hour. Aneroid 29.98.

H.O. Dunn. Ensign.

4 to 8 A.M. Cloudy and calm. Barometer steady. At 7.30 made signal (general) 3857. A Mail steamer from the South came in and anchored. Received on board for use of crew 103 lbs of fresh beef and 83 loaves of bread. Aneroid barometer 29.93.

W.W. Dunn
Master

8 A.M to Meridian. Clear and warm. Moderate to light breeze from S.S.E. At 9.30 mustered at quarters. John O'Connell (Sea) absent without leave. Aneroid 29.90.

Wainwright Kellogg
1st Lieut

Meridian to 4 P.M. Pleasant weather, hazy around horizon. Gentle to moderate breeze from S by W to S.S.E. Barometer falling. Aneroid 29.86. At 3.05 the Italian man of war "Vettor Pisani" came in and anchored, sent a boarding officer to tender the usual civilities.

H.O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, light to moderate breezes from S.S.E. At 4.45 mustered at quarters. John O'Connell. (Sea) absent without leave. Aneroid 29.90.

Wainwright Kellogg
1st Lieut

8 P.M to Midnight. Clear and pleasant. Starlit sky. Light breeze from S.S.E. Barometer fluctuating. Aneroid 29.89. At 9.05 the German man of war "Moltke" left the harbor.

H.O. Dunn Ensign

Moon 1 qu'd
Dec 17° 52' 27" S.
Phase Last quarter.

Examined and found to be correct.

W. T. Parker
1st Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE.	SSE	2		29.94	69	66	64		bc	cir cum	7	S	
2	"		"	"	1		29.91	68	66	64		"	"	8	"	
3	"		"	Calm	0		29.90	67	65	63		bcm	"	8	"	
4	"		"	"	0		29.90	67	65	63		"	"	8	"	
5	"		WNW	"	0		29.90	67	65	63		"	"	8	"	
6	"		"	"	0		29.90	67	65	63		"	"	6	"	
7	"		W.	"	0		29.96	68	65	63		"	"	6	"	
8	"		"	W.	1		29.96	68	65	63		"	"	6	"	
9	"		"	NNW.	1		29.98	69	66	65		bcy	"	8	"	
10	"		"	"	1		29.98	69	66	65		"	"	8	"	
11	"		"	"	1		30.00	70	68	67		"	"	8	"	
Noon.	"		NW.	NNW.	1		30.00	70	69	67		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1600	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	110 "	1336	"

P. M.																
1	"		NNW	NNW	1		30.00	70	68	65		bc	cir cum	8	"	
2	"		"	"	1		29.97	70	68	65		"	"	8	"	
3	"		"	"	1		29.95	70	69	66		"	"	8	"	
4	"		"	"	1		29.95	71	70	66		"	"	8	"	
5	"		"	"	1		29.97	71	70	67		"	"	7	"	
6	"		"	SSE	2		29.99	69	68	65		"	cum str	3	"	
7	"		SSE	"	1		30.00	70	68	65		"	"	4	"	
8	"		"	"	1		30.00	70	69	66		"	"	5	"	
9	"		"	"	1		30.02	70	69	66		bcm	cir cum	5	"	
10	"		"	SE	1		30.02	69	68	66		"	"	6	"	
11	"		SE	"	1		30.01	68	68	66		"	"	6	"	
Mid.	"		"	"	1		30.01	68	68	66		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday April 1st, 1883.

U S S "Essex." 3d Rate

Callao. Peru. April 1st 1883

Comdr

A. H. McCormick. U S N.

Commanding.

Sir:

We recommend that the following Ordinary Seamen, 2d Class. be rated Ordinary Seamen: Viz. E. S. Carr: John F. Chamberlain: J. Hartman: Frd K. S. Pollock, and George W. Wrightington.

Very respectfully

Wanninghet-Keeogg Lt.

Karl Rohrer, Lieut. U.S.N.

C. P. Rees Lieut U.S.N.

Examining Board.

In my opinion Frd K. Pollock. O.S.2d is not fit for the rating of Ordinary Seaman.

Wanninghet-Keeogg

Lieut

pleasant. Light ...tter part. Barometer ...way and went to ...

Karl Rohrer, Lieut- ...ble airs and calms. ...les and 83 loaves ... Keeogg WR Lieut

Light airs from ...neroid 29.94 At ...s for better govern- ...absent without ...n this ship and ... At 11.10 Comdg officer ...icial visit on board

H. O. Dunn Ensign.

Barometer falling. ...eroid barometer 29.87. ...Karl Rohrer USN Lieut ...d airs from N.N.W ...mainyard and

H. O. Dunn Ensign.

...rometer steady. ...neroid barometer 29.94 ...rl Rohrer, USN Lieut-

Rowlined Examined and found to be correct.

Dec 15° 23' 11" S

Phase. Last quarter.

W. H. Parker

Lieut & Navigator.

Exam. Bk No 4

Chief Boatswains Mate 1
Boatswains Mates 2
Chief Gunners Mate 1
Quartermasters 1
Quartermasters 3
Gunners 3
Captains of Forecastle 2
" " Tops 11
" " Afterguard 12
Coopers Crafts 3
Captain of the Hold 1
Sailmakers Mate 1
Armorer & Cutler 1
Captains of Waist 1
Chief Masters Mate 1
" Carpenter 1
Carpenters Crafts 1
Chief Yeoman 1
Yeomen 1
Ships Corporal 1
Trumpeters 1
Fifers 1
Drummers 1
Master at Arms 1
Ships Steward 1
Ships Cook 1
Steerage Steward 1
" Cook 1
Wardroom Steward 1
" Cook 1
Steerage Steward 1
" Cook 1
Seamen 11
Ordinary Seamen 10
Landsmen 11
Boys 2
Sailmakers 1
Blacksmiths & Engrs. 1
Engineers 7
Firemen 6

Landsmen &c 19

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday April 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light breeze from S.S.E in early part of watch, calm in latter part. Barometer falling. The Chilian corvette "Chacabuco" got under way and went to sea at 1.20. Aneroid barometer 29.86.

Hard Rotherm, Lieut

4 to 8 A.M. Clear and pleasant. Light variable airs and calms. Received in Pay Dep't. 164 lbs of beef and vegetables and 83 loaves of bread. Aneroid 29.94.

Wainwright Kellogg
WR Lieut

8 A.M to Meridian. Pleasant weather - Hazy. Light airs from N.N.W and W.N.W. Barometer rising slowly. Aneroid 29.94 At 9.30 called all hands to muster and read "articles for better government of Navy" John O'Connell (Sea) having been absent without leave ten days to this day declared a deserter from this ship and from the Naval service by order of Comdg officer. At 11.10 Comdg officer of the Italian man of war Vetter Pisani paid an official visit on board

H.O. Dunn Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light airs from N.N.W. Cirro-cumulus clouds. Aneroid barometer 29.87.

Hard Rotherm R Lieut

4 to 8 P.M. Cloudy and pleasant. Light breezes and airs from N.N.W and S.S.E. Barometer rising. Aneroid 29.92. Covered main yard and made preparations for hoisting out crank.

H.O. Dunn, Ensign.

8 P.M. to Midnight. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Light breeze from S.E to S.S.E. Aneroid barometer 29.94

Hard Rotherm, R Lieut

Moon's mid Examined and found to be correct.
Dec 15° 23' 11" S
Phase, Last quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			E.S.E	E.S.E	2		29.98	66	67	65		bc	cicumm	5	S	
2	"		E.S.E	S.S.W	1		29.96	66	67	65		"	"	6	"	
3	"		"	W.S.W.	1		29.96	66	67	65		"	"	6	"	
4	"		E.S.E.	W.N.W	1		29.98	66	66	65		"	"	6	"	
5	"		"	S.S.E	1		30.00	67	67	65		"	"	7	"	
6	"		"	"	1		30.02	67	67	65		"	cum nimb	4	"	
7	"		"	Calm	0		30.06	67	67	65		"	cicumm	5	"	
8	"		"	"	0		30.06	67	67	65		"	"	5	"	
9	"		N.	"	0		30.06	68	67	65		"	"	6	"	
10	"		"	N.	1		30.06	68	67	65		"	"	6	"	
11	"		N.W.	N.W.	1		30.06	69	70	66		"	"	6	"	
Noon.	"		"	"	1		30.06	69	70	66		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1250 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 110 " 1036 "

P. M.																
1	"		N.	Calm	0		30.05	72	75	70		bc	cicumm	5	"	
2	"		S.S.W	S.S.W.	1		30.02	70	71	69		"	"	4	"	
3	"		S.S.E	S.S.E.	2		30.01	70	72	69		"	"	4	"	
4	"		"	"	2		29.99	71	70	67		"	"	4	"	
5	"		"	"	2		30.00	71	68	65		"	"	5	"	
6	"		"	"	3		30.00	70	67	65		"	"	4	"	
7	"		"	"	3		30.00	70	67	65		"	"	4	"	
8	"		"	"	3		30.00	70	67	65		"	"	5	"	
9	"		"	"	2		30.00	70	67	65		"	"	5	"	
10	"		"	"	2		30.03	70	67	65		"	"	5	"	
11	"		"	"	1		30.03	70	67	65		"	"	6	"	
Mid.	"		"	"	1		30.03	70	67	65		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, April 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light airs from S. and E. to S. and W., Barometer falling. Aneroid 29.90.

P. Ray Lieut

4 to 8 A.M. Cloudy but pleasant, light airs from S.S.E. and calms. Barometer rising. Aneroid 29.98. At 7.30 made general signal 3367.

H. D. Dunn Ensign

8 A.M. to Meridian. Weather clear and pleasant, Barometer steady. Light breeze from North to N.W. Cirro-cumulus clouds. Engaged in hoisting out crank shaft. The British gunboat "Heroine" came in and anchored at 11; sent an officer on board with the offer of the usual civilities. Max Lazarus, (Engr Yco) was this day discharged at his own request waiving all claims to transportation. Aneroid barometer 29.97.

T. Ward & other MR Lieut

Meridian to 4 P.M. Weather clear and pleasant, light variable airs and calms first part of watch, gentle breeze from S.S.E. latter part, Barometer falling. Got out crank shaft of engine and sent it ashore for the purpose of fitting the new high pressure crank forwarded from the United States. Made preparations for hoisting out new crank. Aneroid at end of watch 29.90.

P. Ray Lieut

4 to 8 P.M. Clear and pleasant weather, light to gentle breeze from S.S.E. Barometer steady. Cirro-cumulus clouds. Unrove purchases used for hoisting out crank shaft, hoisted main yard, slung and trussed it, hoisted out and put into lighter the new crank for the high pressure engine and then sent the lighter ashore to the machine shop wharf. Aneroid barometer 29.95.

T. Ward & other MR Lieut

8 P.M. to Midnight, Weather clear and pleasant, light airs from S.S.E. Barometer steady. Aneroid 29.96.

P. Ray MR Lieut

Examined and found to be correct.

W. H. Parker

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E	1		30.03	69	68	66		bcm	Cu.Num	6	S	
2	"		"	"	1		30.01	68	68	66		"	"	4	"	
3	"		"	calm	0		30.00	68	68	66		"	"	6	"	
4	"		"	"	0		30.00	68	68	66		"	"	5	"	
5	"		E.S.E	E.S.E	1		30.02	67	67	65		"	"	5	"	
6	"		S.S.E	S.S.E	1		30.02	67	67	65		"	"	5	"	
7	"		"	calm	0		30.06	67	66	64		"	"	6	"	
8	"		"	S.S.E	1		30.08	67	66	64		"	"	6	"	
9	"		"	"	1		30.10	68	67	65		bc	Cirrocum	8	"	
10	"		"	"	1		30.10	69	69	67		"	"	8	"	
11	"		"	"	1		30.08	70	69	66		"	"	8	"	
Noon.	"		"	"	1		30.06	70	69	66		"	"	8	"	

P. M.																
1	"		S.S.E	S.S.E	1		30.00	70	69	66		bc	Cirrocum	8	"	
2	"		"	"	1		30.00	71	69	66		"	"	8	"	
3	"		"	"	1		29.98	72	69	66		"	"	5	"	
4	"		"	"	1		29.98	72	69	66		"	"	8	"	
5	"		S	S	1		29.98	72	69	66		"	"	7	"	
6	"		"	"	1		30.00	73	69	66		"	Cirrocum & Strs	5	"	
7	"		"	"	1		30.02	71	68	66		"	"	3	"	
8	"		"	"	2		30.02	71	68	66		"	"	3	"	
9	"		S.S.E	S.S.E	2		30.06	70	67	65		"	Cirrocum	5	"	
10	"		"	"	2		30.08	70	67	65		"	"	5	"	
11	"		"	"	2		30.08	70	66	64		"	"	5	"	
Mid.	"		"	"	2		30.08	69	66	64		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 900 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 110 " 736 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, April 3d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather, slightly misty. Light airs from S.S.E first part, calm latter part. Aneroid barometer 29.94

W.M. Inman Master

4 to 8 A.M. Weather pleasant. Light airs from S.S.E to E.S.E in early part of watch, calm in latter part. Received on board for crew 103 lbs. fresh beef, 103 lbs. of vegetables and 83 loaves of bread. At 7.30 made signal No. 335. Crossed royal yards. Aneroid barometer 29.97.

Ward Robertson Lieut

8 A.M to Meridian. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Mustered at quarters at 9.30, and exercised 1st Div at great guns, 2d Div at single sticks, 3d Div at small arms and Powder Div at small arms. By order of Commanding Officer Chas Lloyd. (O.S.2d.) was given ten first watches for disobeying orders of Captain of Afterguard. The Comdg Officer of H.M.S. "Herbine" visited the ship officially at 10.30. Enlisted for cruise of vessel, for special service as sandmanjy Ah Joh. Aneroid at end of watch 29.96.

J.P. Ras Lieut

Meridian to 4 P.M. Clear and pleasant. Light airs from S.S.E. Barometer steady. Received on board in Navigation Department 150 gallons of Lard oil, and 4 matrasses, 19 blankets, 6 boxes soap and 4 boxes candles in Paymasters Dept. Aneroid barometer 29.98.

W.M. Inman Master

4 to 8 P.M. Weather clear and pleasant. Light airs from S.E. Barometer rising. Mustered at quarters at 4.45. Got in launch and bent fore topsail at 6.45. By order of Comdg Officer a strict quarantine will be observed in order to avoid the danger of an epidemic prevailing on shore. Received on board from the Chilian Authorities Fred M Ker, extradited from Peru on the application of the President of the United States, letters to that effect being presented by Mr H. B. Julian, the said Fred. M. Ker to be held on board to await Mr Julian's obtaining a passage for him to the United States direct the Chilian authorities not being willing to hold him in confinement. Aneroid 29.98

J.P. Ras Lieut

8 P.M to Midnight. Clear and cool. Bright starlight. Gentle breeze from S.S.E. Aneroid barometer 29.98.

W.M. Inman Master

Moon's phase Examined and found to be correct.
Dec 7° 25' 16" S.
Phase Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.02	69	67	65		bd	cir cumu	8	S	
2	"		"	"	1		30.00	69	67	65		"	"	8	"	
3	"		"	"	1		30.00	69	67	65		"	"	8	"	
4	"		"	"	1		30.00	69	67	65		"	"	8	"	
5	"		"	"	1		30.00	69	67	65		"	"	6	"	
6	"		"	Calm	0		30.00	69	67	65		"	"	4	"	
7	"		SSW.	SSE.	1		30.00	69	67	65		"	"	5	"	
8	"		"	"	1		30.03	69	67	65		"	"	5	"	
9	"		"	SxW.	1		30.05	69	68	66		"	"	6	"	
10	"		NW.	"	1		30.05	69	69	66		"	"	6	"	
11	"		SSE	Calm	0		30.05	70	69	66		"	"	8	"	
Noon.	"		"	SSE.	1		30.05	70	69	66		"	"	8	"	

P. M.																
1	"		SSE	SSE	1		30.02	71	70	67		"	"	7	"	
2	"		"	"	1		30.00	71	70	67		"	"	7	"	
3	"		"	SW.	1		30.00	72	70	67		"	"	7	"	
4	"		"	"	1		30.00	72	71	68		"	"	8	"	
5	"		"	"	1		30.00	72	71	68		"	"	8	"	
6	"		"	"	1		30.00	72	71	68		"	"	8	"	
7	"		"	"	1		30.00	70	69	67		"	"	8	"	
8	"		"	"	1		30.00	70	69	67		"	"	8	"	
9	"		"	"	2		30.00	70	67	64		"	"	8	"	
10	"		"	"	2		30.00	70	67	65		"	"	8	"	
11	"		"	"	2		30.00	69	66	64		"	"	8	"	
Mid.	"		"	"	2		29.99	69	66	64		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	550	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	110 "	436	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday April 4th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Sight airs from S.S.E. Aneroid 29.92.
Wainwright-Kellogg
Lieut

4 to 8 A.M, Weather clear and pleasant, Sight airs from S.S.E. Barometer steady. Aneroid 29.93. At 7.30 made signal 3351.
Lieut

8 A.M to Meridian. Pleasant weather, Sight airs from S. and W. and calme, Inspected at quarters at 9.30 and exercised divisions as per routine, Avid bedding. The Commanding Officer paid an official visit to H.B.M.S. "Hervine". At 10 "Onward" made numeral 0. Aneroid Barometer 29.97.
Master

Meridian to 4 P.M. Clear and pleasant, Sight airs from S.S.E. At 12 the Huascar got underway and steamed to the N., A P.S.N. steamer left at 3.20 for N., At 3.27 made general signal 29.84. Aneroid 29.92.
Wainwright-Kellogg
Lieut

4 to 8 P.M. Clear and pleasant, Sight airs from S.W. Mustered at quarters at 4.45 and served out clean hammocks. Unbent main topsail, At 5.15 the "Hervine" got underway and left the harbor At 5 made signal (general) 4881. "Onward" answered, Aneroid bar. 29.94
Master

8 P.M to Midnight, Clear and pleasant, Sight breeze from S.S.E. Aneroid 29.95.
Wainwright-Kellogg
Lieut

Moon's mid Dec 2°57'58" S. Phase, Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.00	69	66	64		bc	circum	8	8	
2	"		"	"	1		30.00	69	66	64		"	"	8	"	
3	"		"	"	1		30.00	69	66	64		"	"	7	"	
4	"		"	"	1		29.98	68	66	64		"	"	7	"	
5	"		"	"	1		29.98	68	66	64		"	"	7	"	
6	"		"	"	1		29.96	68	66	64		"	"	7	"	
7	"		"	"	1		29.96	68	66	64		"	"	7	"	
8	"		"	"	1		29.96	68	66	64		"	"	7	"	
9	"		"	"	1		30.00	70	68	66		"	"	6	"	
10	"		"	SxE	1		30.02	70	68	66		"	"	7	"	
11	"		"	"	1		30.02	70	69	66		"	"	5	"	
Noon.	"		"	"	1		30.02	70	69	66		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	220	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	110 " 136	"	

P. M.																
1	"		South	South	1		30.00	70	68	65		bc	Cir Cumu	5	"	
2	"		SSE	SSE	2		29.98	69	68	65		"	"	5	"	
3	"		"	"	3		29.97	70	68	65		"	"	5	"	
4	"		"	"	3		29.95	69	67	64		"	"	5	"	
5	"		"	"	3		29.97	69	67	65		"	"	7	"	
6	"		"	"	3		29.98	69	67	64		"	Cumulo	7	"	
7	"		"	"	3		29.98	69	66	64		"	"	7	"	
8	"		SE	"	3		29.99	69	66	64		"	"	7	"	
9	"		"	SE	3		29.98	69	66	64		"	Cir Cumu	8	"	
10	"		SSE	"	3		29.99	69	66	64		"	"	8	"	
11	"		"	SSE	3		29.99	68	66	64		"	"	8	"	
Mid.	"		"	"	1		29.99	68	66	64		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, April 5th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant, Light airs from S S E. Barometer steady. Aneroid 29.90.

H. O. Dunn Ensign

4 to 8 A.M. Clear and pleasant, Light airs from S S E. Scrubbed hammocks. Aneroid barometer 29.95 At 7.30 made signal general 3367

W. M. Shannon Master

8 A M to Meridian. Clear and pleasant, Light airs from S by E. At 9.30 mustered at quarters. Exercised 1st and 2nd Navy Divisions at single sticks, 2d at small arms and 3d at Ordnance Instructions. Aneroid 29.96.

Wainwright Kellogg 2d Lieut

Meridian to 4 P.M. Cloudy and pleasant, Light airs to gentle breze from South and S S E. Barometer falling. Aneroid 29.78. At 3.30 made general signal 3918.

H. O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, Light to moderate breze from S S E. At 4.45 mustered at quarters and turned in clean hammocks. At 7.30 started fires under two boilers for distilling water. Placed John A. Cobban. (OS2CL) in solitary confinement on bread and water for three days for abusive language to Master at Arms, by order of Comdg Officer. Aneroid 29.98.

Wainwright Kellogg 2d Lieut

8 P.M. to Midnight. Clear and cool. Gentle breezes to light airs from S E and S S E. Barometer steady. Aneroid 29.92 At 9.45 commenced distilling.

H. O. Dunn. Ensign

Moon 1 mid
Dec 2° 06' 38" N.
Phase, Last Quarter.

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	S S E	1		29.95	68	65	64		bc	cir cum	8	S	
2	"		"	"	1		29.93	68	66	64		"	"	8	"	
3	"		"	"	2		29.92	67	65	64		"	"	8	"	
4	"		"	"	2		29.92	69	65	64		"	"	8	"	
5	"		"	"	1		29.96	69	65	63		"	"	7	"	
6	"		"	Calm	0		30.00	68	65	63		"	cum strs	3	"	
7	"		"	"	0		30.01	67	65	63		"	Cir cum	5	"	
8	"		N. N. W.	"	0		30.01	68	66	64		"	"	7	"	
9	"		S W.	"	0		30.01	68	66	64		"	"	9	"	
10	"		S x W	S by W	1		30.01	68	66	64		"	"	7	"	
11	"		"	"	1		30.01	70	68	66		"	"	8	"	
Noon.	"		"	"	1		30.01	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1530 "

Water remaining on hand fit for use at Noon 14400 "

Coal consumed during the preceding 24 hours 2 tons 1520 lbs.

Coal remaining on hand at Noon 106 " 2096 "

P. M.																
1	"		S	S	1		30.01	71	69	66		bc	cir cum	5	"	
2	"		"	"	1		30.00	71	69	66		"	"	6	"	
3	"		"	"	1		29.98	71	69	66		"	"	8	"	
4	"		"	S S E	2		29.97	72	70	67		"	"	7	"	
5	"		S S E.	"	2		29.98	72	68	64		"	"	8	"	
6	"		"	"	3		29.96	70	68	64		"	"	8	"	
7	"		"	"	3		29.97	69	67	64		"	"	8	"	
8	"		"	"	3		29.97	70	67	64		"	"	8	"	
9	"		"	"	2		29.98	70	67	64		"	"	8	"	
10	"		"	"	2		29.98	70	67	64		"	"	8	"	
11	"		"	"	2		29.98	69	67	64		"	"	8	"	
Mid.	"		"	"	2		29.98	69	67	64		"		8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, April 6th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Barometer falling. Cirro-cumulus clouds. Light breeze from S.S.E. Distilling. Aneroid barometer 29.89.

Ward Robbins, USR Lieut

4 to 8 A.M. Clear and pleasant, Light variable and calms. At 7.30 made signal 3361. Distilling. Aneroid 29.95.

Cunningham-Kellogg Lieut

8 A.M. to Meridian. Weather clear and pleasant, Calms and light airs from S by W. Barometer steady. Aneroid 29.94. At 9.30 went to fire quarters. Exercised Apprentices at signals. Rigged forward bilge pump and found it in good order. Michael Casey. (Sds.) left the 2d Whale boat while at the landing without permission and did not return. Distilling.

T. O. Dunn. Ensign

Meridian to 4 P.M. Weather clear and pleasant, Barometer falling. Light breeze from South to S.S.E. Cirro-cumulus clouds. Distilling. At 3.30 made signal 2984. Aneroid barometer 29.90.

Ward Robbins, USR Lieut

4 to 8 P.M. Clear and pleasant weather. Light to gentle breeze from S.S.E. Barometer steady. Aneroid 29.96. At 4.45 mustered at quarters. Absent without leave. Michael Casey. (Sds) At 6.00 sent down royal yards.

T. O. Dunn. Ensign.

8 P.M. to Midnight, Weather clear and pleasant, Light breeze from S.S.E. Barometer steady. At 8.30 stopped distilling and hauled fires. Aneroid barometer 29.94.

Ward Robbins, USR Lieut

Moon's mid Examined and found to be correct.
Dec 7° 07' 28" S.
Phase. Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	2		29.99	68	66	65		bcm	cicumu	8	8	
2	"			"	1		29.98	68	66	65		"	"	7	"	
3	"		ESE.	Calm	0		29.96	68	65	64		"	"	7	"	
4	"		"	South	1		29.96	67	65	64		"	"	7	"	
5	"		SSE	SSE	1		29.95	66	66	63		"	"	8	"	
6	"		SSW	SSW	1		29.98	66	66	64		"	"	8	"	
7	"		NNW.	NNW.	1		30.00	66	64	61		"	"	8	"	
8	"		"	Calm.	0		30.05	68	65	63		"	"	8	"	
9	"		"	NW.	1		30.09	69	66	64		bc	"	8	"	
10	"		NW	"	1		30.10	70	66	64		"	"	8	"	
11	"		"	"	1		30.10	70	68	66		"	"	8	"	
Noon.	"		"	"	1		30.10	70	69	67		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	1700	"	
Water remaining on hand fit for use at Noon	2750	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	106 "	1796	"

P. M.																
1	"		W	W	1		30.00	70	69	67		bo	Cicumu	8	"	
2	"		"	"	1		30.00	70	69	67		"	"	8	"	
3	"		"	"	1		30.07	70	69	67		"	"	8	"	
4	"		"	"	1		30.07	70	69	67		"	"	8	"	
5	"		SSE	SSE	1		29.99	72	70	67		"	Cicumu Stratus	7	"	
6	"		"	"	2		29.99	71	68	65		"	"	4	"	
7	"		"	"	2		30.01	71	68	66		"	"	6	"	
8	"		S	S	2		30.01	71	68	66		"	Cicumu	2	"	
9	"		"	"	2		30.05	70	66	64		"	"	7	"	
10	"		SSE	SSE	1		30.07	70	67	65		"	"	7	"	
11	"		"	"	1		30.08	70	67	65		"	Cumu Nimb	4	"	
Mid.	"		"	"	1		30.08	69	67	65		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, April 7th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Light variable airs. Barometer rising. Aneroid 29.94.

J. Rees Asst Surg

4 to 8 A.M. Clear and pleasant, Light airs from S.S.E. to W.N.W. Barometer rising. Aneroid 29.98. At 7.30 made general signal. 3367. Received on board in Pay. Dept. 102 lbs of fresh beef and vegetables and 82 loaves of bread,

H. O. Dunn Ensign

8 A.M. to Meridian. Weather clear and pleasant. Light airs from N.W. Barometer steady. At 9.30 mustered and inspected crew at quarters finding Michael Casey (Lds) absent from ship without leave. By order of Commanding Officer the following changes in ratings are made to take effect from April 1st. - Eugene S. Carr; Julius Hartman; George H. Wrightington; Fred'k L. Pollock and John J. Chamberlain, Ordinary Seamen, 2d Class to Ordinary Seamen. Received on board in Engineers Department two dozens assorted bastard files. Aneroid barometer 29.98.

Ward Parker, HR Asst Surg

Meridian to 4 P.M. Weather clear and pleasant, Light airs from W.N., Barometer steady. Aneroid 29.90.

J. Rees Asst Surg

4 to 8 P.M. Weather clear and pleasant, Light breeze from S.S.E. Barometer rising. Clouds cirro-cumulus and stratus. Two P.S.N.Co's steamers came in, one from the N. and the other from the S., At 4.45 mustered at quarters finding Michael Casey (Lds.) absent without leave. Aneroid barometer 29.95.

Ward Parker, HR Asst Surg

8 P.M. to Midnight, Weather clear and pleasant, Light airs from S.S.E. Barometer rising. Aneroid 29.96.

J. Rees Asst Surg

Moon 1 mid. Examined and found to be correct.
Dec 11 41 38 N
Phase. New moon

W. H. Parker
Asst Surg Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.05	69	67	65		bc	strib	5	S	
2	"		"	"	1		30.05	69	67	65		"	"	8	"	
3	"		"	calm	0		30.00	69	67	65		"	Cir cumm	8	"	
4	"		SE.	SE.	1		30.00	69	67	65		"	"	8	"	
5	"		"	"	1		30.00	69	67	65		"	"	8	"	
6	"		S	S by E	1		29.99	69	67	65		"	"	7	"	
7	"		"	"	1		29.98	69	66	65		"	"	7	"	
8	"		S.E.	SSE.	1		29.98	69	67	65		"	"	6	"	
9	"		SSW.	S by W.	1		30.01	69	68	65		"	"	8	"	
10	"		SSE.	"	1		30.03	69	68	66		"	"	8	"	
11	"		"	SSE.	1		30.02	70	69	66		"	"	8	"	
Noon.	"		"	"	1		30.02	70	69	66		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	330	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2420	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	106 " 1496	"	

P. M.																
1	"		S	S	2		30.00	71	70	67		bc	circum	8	"	
2	"		"	"	2		29.99	72	70	67		"	"	8	"	
3	"		"	"	2		29.97	72	71	67		"	"	8	"	
4	"		SSE	SSE	2		29.97	72	71	67		"	"	8	"	
5	"		"	"	2		29.96	74	71	69		"	"	8	"	
6	"		"	"	2		29.96	71	70	68		"	"	8	"	
7	"		"	"	2		29.96	71	68	65		"	"	8	"	
8	"		"	"	2		29.97	71	68	65		"	"	8	"	
9	"		"	"	2		30.00	71	68	66		"	"	8	"	
10	"		"	"	2		30.00	71	67	65		"	"	8	"	
11	"		"	"	2		30.00	70	67	65		"	"	8	"	
Mid.	"		"	"	2		30.00	69	67	65		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, April 8th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Party cloudy light airs from S.S.E. to S.E. falling calm about middle of watch. Barometer falling. Aneroid barometer 29.92.

W. W. Smith
Master

4 to 8 A.M. Weather clear and pleasant, light breeze from S to S by E. Barometer falling. Cirro-cumulus clouds. Received on board for use of crew 102 lbs. fresh beef. 102 lbs of vegetables and 82 loaves of bread. Aneroid barometer 29.94. At 7.30 made signal No. 3357.

Wm Robinson Lieut

8 A.M. to Meridian. Weather clear and pleasant, light variable airs, Barometer rising. The Commanding Officer inspected the ship and crew at quarters at 9.30. Michael Odery (Sdy) absent without leave. John A. Cobau, (OS2B) was released upon the expiration of his terms of confinement. Aneroid at end of watch 29.92.

P. Ross Lieut

Meridian to 4 P.M. Clear and warm, light southerly breeze. Barometer steady. Received a mail from the United States. Aneroid barometer 29.90.

W. W. Smith
Master

4 to 8 P.M. Weather clear and pleasant, light airs from S.S.E. Barometer steady. Aneroid at end of watch 29.92.

P. Ross Lieut

8 P.M. to Midnight, Clear and pleasant. Gentle breeze from S.S.E. Observed a number of bright meteors. Aneroid barometer 29.94.

W. W. Smith Master

Moon's mid Examined and found to be correct.
Dec 15° 27' 25" N.
Phase. New moon

W. T. Clarke
Lieut & Navigator.

4

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE.		SSE.	2			30.00	70	67	65		bc	cir cumo	8	S	
2	"		"	"	2		30.00	69	67	65		"	"	8	"	
3	"		"	"	1		30.00	69	67	65		"	"	8	"	
4	"		"	"	1		30.00	69	67	65		"	"	8	"	
5	"		N.N.E.	N.N.E.	1		29.97	69	67	65		"	"	8	"	
6	"		"	"	1		29.97	69	67	65		"	"	6	"	
7	"		SSE.	SSE.	1		29.99	69	67	65		"	"	6	"	
8	"		"	"	1		30.00	69	67	65		"	"	6	"	
9	"		S.E.	SE	1		30.03	70	68	66		"	"	7	"	
10	"		"	"	1		30.03	70	68	66		"	"	7	"	
11	"		"	S	1		30.04	70	69	67		"	"	8	"	
Noon.	"		"	"	1		30.04	70	69	67		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 320 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2100 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 106 " 1196 "

P. M.															
1	"		SSE	SSE	2		30.00	70	69	66		bc	cir cumu	8	"
2	"		"	"	2		29.98	71	70	67		"	"	8	"
3	"		"	"	2		29.96	72	70	67		"	"	8	"
4	"		"	"	2		29.95	73	70	67		"	"	8	"
5	"		"	"	2		29.96	72	69	66		"	"	8	"
6	"		"	"	2		29.98	72	69	66		"	ci. strat	8	"
7	"		"	"	2		29.99	72	68	65		"	"	8	"
8	"		"	"	2		30.00	71	67	65		"	"	8	"
9	"		"	"	2		30.00	71	68	65		"	cir cumu strat	8	"
10	"		"	"	1		30.01	71	68	65		"	"	5	"
11	"		"	"	1		30.02	70	68	66		"	"	4	"
Mid.	"		"	"	1		30.02	70	68	66		"	"	5	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, April 9th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light breeze from S.S.E. Aneroid 29.90.
Wm Winslow Kellogg Lieut
OK

4 to 8 A.M. Weather clear and pleasant, light variable airs. Barometer steady. At 7.30 made signal No. 335 & crossed royal yards at 7.45. Aneroid 29.98.
P Ras Lieut

8 A.M. to Meridian. Clear and pleasant, light airs from S.E. shifting to S. Exercised at general quarters at 9.30, after which exercised the 3d division at Gatling gun. Michael Casey (Lds) absent without leave. Received on board a quantity of Engineers stores. Aneroid barometer 29.92.
W. McOmie Master

Meridian to 4 P.M. Weather clear and pleasant, Gentle breeze from S.S.E. Falling barometer. At 3.30 made signal 2984. Aneroid 29.86 at end of watch.
Wm Winslow Kellogg Lieut
OK

4 to 8 P.M. Clear and pleasant, Gentle breeze from S.S.E. Bent main topsail, Slushed spars. Aneroid barometer 29.90.
W. McOmie Master

8 P.M. to Midnight, Clear and pleasant, light breeze from S.S.E. Aneroid 29.94.
Wm Winslow Kellogg Lieut
OK

Moon's mid Examined and found to be correct.
Dec 18° 07' 41" N.
Phase. Two moons.

W. W. Barker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE		SSE		1		30.01	69	67	65		bc	cir cumu	8	S.	
2	"		"		2		29.98	69	67	65		"	"	8	"	
3	"		"		2		29.98	69	67	65		"	"	8	"	
4	"		"		2		29.97	68	66	65		"	"	8	"	
5	"		"		2		30.00	68	67	65		"	"	8	"	
6	"		"		1		30.02	68	67	65		"	cir cumu strat	5	"	
7	"		"		1		30.05	69	67	65		"	cir cumu	7	"	
8	"		"		1		30.08	69	67	65		"	"	5	"	
9	"		"		1		30.06	69	67	65		"	"	5	"	
10	"		"		1		30.06	70	68	67		"	"	8	"	
11	"		"		2		30.06	70	68	67		"	"	8	"	
Noon.	"		"		2		30.02	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1760 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 106 " 896 "

P. M.															
1	"		SSE	SSE	3	30.02	70	68	66		bc	cir cumu	7	"	
2	"		"	"	3	30.00	70	68	66		"	"	7	"	
3	"		"	"	3	29.98	71	69	66		"	"	8	"	
4	"		"	"	4	29.97	71	69	66		"	"	8	"	
5	"		"	"	3	29.99	72	68	66		"	"	8	"	
6	"		"	"	3	29.97	70	67	65		"	"	8	"	
7	"		"	"	3	29.99	70	67	65		"	"	8	"	
8	"		"	"	3	30.00	70	67	65		"	"	8	"	
9	"		"	"	2	30.00	70	67	65		"	"	4	"	
10	"		"	"	2	30.00	69	67	65		"	"	4	"	
11	"		"	"	2	30.00	69	67	65		"	"	4	"	
Mid.	"		"	"	2	30.00	69	67	65		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. K. McCormick, U. S. Navy,

Tuesday, April 10th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, light airs and breezes from S.S.E. Barometer falling. Aneroid 29.94.

H.O. Dunn. Ensign.

4 to 8 A.M. Partly cloudy. Light airs from S.S.E. Barometer rising. Broke out hold and prepared it for stowing. Received on board in Paymaster's Department for use of crew 102 lbs. of fresh beef and vegetables and 82 loaves of bread. Aneroid barometer 30.02.

W.W. Irwin Master.

8 A.M. to Meridian. Clear and pleasant. Moderate breeze from S.S.E. Michael Casey (Sds.) absent without leave. A board of survey consisting of Surgeon M.L. Ruth, Lieut. W.H. Parker and Lieut. Wainwright Kellogg met to survey articles in Pay Dept. condemned and threw overboard the following articles. 4 bbls of flour and 160 gallons of beans. Aneroid barometer 29.98.

Wainwright Kellogg for Lieut

Meridian to 4 P.M. Pleasant weather. Gentle to moderate breeze from S.S.E. Barometer falling. Aneroid 29.92. Restowed forehold. Sent following signals to "Onward" (Army Code) "Captain Gardiner. Enforce Article three, paragraph one and two of Squadron general order of February 13. 1883. McCormick." At 1.05 the Italian man of war "Caracciola" came in and anchored. Sent a boarding Officer with usual tenders of civility.

H.O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, light to moderate breeze from S.S.E. At 4.45 mustered at quarters. Michael Casey (Sds) absent without leave. Aneroid 29.94.

Wainwright Kellogg for Lieut

8 P.M. to Midnight, Cloudy and cool, light breeze from S.S.E. Barometer steady. Aneroid 29.94.

H.O. Dunn Ensign

Moon's mid Examined and found to be correct.
Dec. 19° 33' 02 N.
Phase. New moon

Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	3		29.99	69	67	65		bcm	circum	7	S	
2	"		"	"	3		29.99	69	67	65		"	"	5	"	
3	"		"	"	1		29.98	69	67	65		"	"	6	"	
4	"		"	"	1		29.98	69	67	65		"	"	6	"	
5	"		"	"	1		29.97	68	66	65		"	"	5	"	
6	"		"	Calm.	0		29.98	68	66	65		"	"	5	"	
7	"		"	SE	1		30.00	68	66	64		bc	"	6	"	
8	"		"	Calm	0		30.00	68	66	65		"	"	6	"	
9	"		"	SSE	1		30.01	69	67	65		bcm	"	6	"	
10	"		"	"	1		30.01	69	68	66		"	"	6	"	
11	"		South	South	1		30.01	70	68	66		"	circum 3 cumb	4	"	
Noon.	"		"	"	1		30.00	70	69	66		"	"	4	"	

P. M.																
1	"		South	South	1		29.96	70	69	66		bc	circum	4	"	
2	"		SSE	SSE	2		29.96	70	69	66		"	"	5	"	
3	"		South	South	2		29.93	70	69	66		"	"	8	"	
4	"		"	"	2		29.91	70	69	66		"	"	8	"	
5	"		SSE	SSE	2		29.91	72	70	68		"	circum 3 strat	7	"	
6	"		"	"	2		29.92	72	69	66		"	"	5	"	
7	"		"	"	2		29.94	72	68	66		"	"	5	"	
8	"		"	"	2		29.96	72	68	66		"	"	7	"	
9	"		"	"	2		30.00	70	67	65		"	"	6	"	
10	"		"	"	2		30.00	70	67	65		"	circum	5	"	
11	"		"	"	2		30.00	70	66	64		"	"	5	"	
Mid.	"		"	"	1		30.00	69	66	64		"	"	5	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time ____ knots ____ fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water ____ during the preceding 24 hours ____ "

Water remaining on hand fit for use at Noon 11400 "

Coal consumed during the preceding 24 hours ____ tons 300 lbs.

Coal remaining on hand at Noon 106 " 596 "

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude ____ observed at sunset ° ' "

Variation of the Compass by ____ at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, April 11th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light to gentle breeze from S.S.E. Barometer steady. Cirro-cumulus clouds. Aneroid barometer 29.92.

Hord Robeson, Lieut

4 to 8 A.M. Clear and pleasant. Light variable airs and calms. Received in Pay Department 102 lbs of fresh beef and vegetables and 82 loaves of bread. At 7.45 crossed topgallant and royal yards. At 7.25 made signal 3351. Aneroid 29.95.

Wainwright Kellogg
Jr. Lieut

8 A.M to Meridian. Cloudy and misty. Light airs from S.S.E and South. Barometer steady. Aneroid 29.92. At 9. 30 mustered at quarters, and drilled divisions as per routine. Absent without leave. Michael Casey. (Sds.) Signalled to "Onward" (Army Code.) "Capt. Gardiner, Do you wish to take your ship to San Lorenzo. McCormick" Answered by "Wait until to morrow. Patient getting better. Gardiner" Got lower boom inboard for repairs.

F. O. Dunn Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling. Light breeze from South to S.S.E. Cirro-cumulus clouds. The Chilian Barque "Cubebar" came in and anchored. At 3.30 made signal No. 2984. Aneroid barometer 29.85.

Hord Robeson, Lieut-

4 to 8. P.M. Weather pleasant but cloudy. Light breeze from S.S.E. Barometer rising. Aneroid 29.90. At 4.45 mustered at quarters. Absent without leave Michael Casey. (Sds.) At 5.50 sent down royal and topgallant yards.

F. O. Dunn Ensign.

8 P.M to Midnight. Weather clear and pleasant. Light breeze from S.S.E. Cirro-cumulus clouds. Aneroid barometer 29.93.

Hord Robeson, Lieut

Moon l. mid. Examined and found to be correct.
Dec. 19 42 47 N.
Phase. New moon.

W. P. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.00	69	66	64		bc	cir cum	6	S	
2	"		"	"	1		29.98	69	66	64		"	"	5	"	
3	"		"	"	1		29.96	69	66	64		"	"	6	"	
4	"		"	SSW	1		29.96	69	66	64		"	"	6	"	
5	"		SSW.	WNW.	1		29.98	68	66	64		"	"	6	"	
6	"		"	"	1		30.00	68	66	64		"	"	6	"	
7	"		"	"	1		30.04	68	66	64		"	"	8	"	
8	"		"	NNW	1		30.04	68	66	64		ocnd.	cir cum & cumb	0	"	
9	"		NNW	NW	1		30.06	68	66	64		bc	cir cum	3	"	
10	"		"	"	1		30.07	68	67	65		"	"	5	"	
11	"		"	NW+N.	1		30.06	69	68	66		"	"	6	"	
Noon.	"		"	"	1		30.04	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1050 "

Coal consumed during the preceding 24 hours tons 306 lbs.

Coal remaining on hand at Noon 106 " 296 "

P. M.														
1	"		NW	Calm	0	30.00	70	69	67	bc	cir cum & strat	7	"	
2	"		S	S.	2	30.00	70	69	67	"	cir cum	7	"	
3	"		"	"	2	29.99	72	70	67	"	"	6	"	
4	"		"	"	2	29.99	72	70	67	"	"	6	"	
5	"		"	"	2	30.00	72	70	67	"	"	6	"	
6	"		"	"	1	30.00	71	69	67	"	"	6	"	
7	"		SE	SE	1	30.00	70	68	66	"	"	8	"	
8	"		"	"	1	30.00	70	68	66	"	"	8	"	
9	"		SSE	SSE	1	30.00	70	67	65	"	"	8	"	
10	"		"	"	1	30.00	70	67	65	"	"	8	"	
11	"		"	"	1	30.00	68	66	65	"	"	8	"	
Mid.	"		"	"	1	29.98	68	66	65	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, April 12th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light airs from S.S.E. Barometer falling. Aneroid 29.92

J. Rees QMR Smt

4 to 8 A.M. Weather cloudy and cool, overcast and misty last hour. Light airs from W.S.W. and W.N.W. Barometer rising. Aneroid 29.98. At 7.30 made general signal 3351. At 7.35 loosed sail to dowlings.

O. Dunn. Ensign.

8 A.M. to Meridian. Weather pleasant, light breeze from N.W by W. to N.W. Barometer steady. Cirro-cumulus clouds. At 9.30 mustered and inspected crew at quarters. finding Michael Cassin (Sds.) absent without leave. Exercised 1st division at single sticks, 2d and Powder and 3d divisions at small arms and Masters at single sticks. Engaged in refitting topgallant and royal yards, mending sails and smoothing lower booms, Aneroid barometer 29.97.

Karl Rohwer QMR Smt

Meridian to 4 P.M. Weather clear and pleasant, light airs from S., Barometer steady. Furled sail at 3.30. Aneroid at end of watch 29.95.

J. Rees QMR Smt

4 to 8 P.M. Clear and pleasant weather. Light breeze from S to S.E. Cirro cumulus clouds, Barometer steady. Got up clothes lines. Aneroid barometer 29.93.

Karl Rohwer QMR Smt

8 P.M to Midnight, Clear and pleasant weather. Light variable airs, Barometer steady. Aneroid 29.93.

J. Rees QMR Smt

Moon's mid Examined and found to be correct.
Dec 18° 42' 26" N.
Phase. New moon

W. W. Parker
Smt & Navigator.

LOG of the UNITED STATES *Steamer Essex*, 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E	Calm	0		30.00	68	66	65		bc	circum	8	8	
2	"		"	"	0		30.00	68	66	65		"	"	8	"	
3	"		"	"	0		29.99	67	66	64		"	"	8	"	
4	"		"	"	0		29.98	67	66	64		"	"	8	"	
5	"		N W.	"	0		29.98	67	66	64		bcm	"	8	"	
6	"		"	"	0		29.99	67	66	64		"	"	8	"	
7	"		"	"	0		29.99	67	66	64		"	"	8	"	
8	"		"	"	0		29.99	67	66	64		"	"	8	"	
9	"		"	"	0		30.01	69	67	66		"	"	8	"	
10	"		"	"	0		30.02	69	68	66		"	"	8	"	
11	"		"	W N W.	1		30.01	70	69	67		"	"	7	"	
Noon.	"		"	W by N.	1		30.01	70	69	67		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ′ ″

Longitude by D. R. at Noon ° ′ ″

Latitude by Observations at Noon ⊙ ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at ° ′ ″

Water expended during the preceding 24 hours 360 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon "

Coal consumed during the preceding 24 hours tons 700 lbs. 300

Coal remaining on hand at Noon 105 " 2236 "

P. M.														
1	"		N. N. W.	N N W	1		30.00	70	71	67		bc	circum	8	"	
2	"		S S E.	S S E	1		29.97	70	70	67		"	"	8	"	
3	"		"	"	1		29.97	72	70	67		"	"	8	"	
4	"		"	"	1		2995	72	70	67		"	"	8	"	
5	"		"	"	2		29.97	73	70	68		"	"	8	"	
6	"		"	"	2		29.98	71	68	66		"	cumulo	5	"	
7	"		"	"	2		29.99	71	67	66		"	cir cumu	7	"	
8	"		"	"	2		30.00	70	67	66		"	cir	9	"	
9	"		"	"	1		29.98	70	67	66		b	—	10	"	
10	"		"	"	1		29.99	70	68	66		"	—	10	"	
11	"		"	"	1		29.98	70	68	66		"	—	10	"	
Mid.	"		S.	Calm	0		29.97	70	68	66		bcm	cumu	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations * ° ′ ″

Variation of the Compass by Amplitude observed at sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. April 13th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, bright starlight. Calm. Barometer steady. Aneroid barometer 29.92.

W. M. Smith Master.

4 to 8 A.M. Weather pleasant but hazy. Cirro-cumulus clouds. Calm. Barometer. Barometer steady. Crossed topgallant yards at 7.30. Aneroid barometer 29.95.

Karl Schwartz Asst Surg

8 A.M to Meridian. Weather clear and pleasant, light variable airs and calms. Barometer rising. At 8.20 the U.S.S. "Onward" made interrogatory signal 4890 and proceeded under tow to anchorage off San Diego Island, the change of berth being occasioned by sickness on board. At 9.30 mustered at quarters after which exercised at battalion drill. Michael Casey (Lds) absent without leave. Aneroid at end of watch 29.94.

C. P. Kerr Asst Surg

Meridian to 4 P.M. Pleasant weather. Light airs varying from N.N.W. to S.S.E. At 1.00 the Chilian corvette "Archimedes" came in and anchored; sent an officer to tender the usual courtesies. At 2.00 an officer from the "Archimedes" came on board and returned thanks. Aneroid barometer at the close 29.95.

W. M. Smith Master

4 to 8 P.M. Weather clear and pleasant, light airs from S.S.E. Barometer rising. Mustered at quarters at 4.45. Michael Casey (Lds) absent without leave. Aneroid at end of watch 29.90.

C. P. Kerr Asst Surg

8 P.M. to Midnight, Clear and pleasant, bright moonlight and starlight, Gentle breeze from S.S.E. Aneroid barometer 29.92.

W. M. Smith Master

Moon's mid Examined and found to be correct.
Dec. 16° 43' 46" N.
Phase. New moon

W. H. Parker
Asst Surg & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S. E.	S. S. E	1		29.95	68	68	66		bc	ci cum	8	S	
2	"		S S E.	"	1		29.93	68	67	65		"	"	8	S	
3	"		"	"	1		29.93	68	67	65		"	"	8	"	
4	"		"	"	1		29.93	68	67	65		"	"	8	"	
5	"		"	Calm	0		29.98	68	67	65		"	"	8	S	
6	"		N E.	"	0		30.00	67	66	64		bcm	ci cum & strats	7	"	
7	"		"	Var.	0-1		30.02	67	66	64		"	cir cum	6	"	
8	"		"	"	0-1		30.02	68	66	64		"	"	8	"	
9	"		N N W	W.	1		30.02	69	68	65		"	"	8	"	
10	"		"	"	1		30.02	69	68	65		"	"	8	"	
11	"		N W & N	N W & N	2		30.02	69	68	66		ocf	"	0	"	
Noon.	"		"	"	2		30.02	69	68	66		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 360 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 360 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 105 " 1936 "

P. M.																
1	"		N N W.	N W.	1		30.02	70	69	67		bcf	cir cum	1	"	
2	"		"	"	1		30.02	71	70	67		bcm	"	4	"	
3	"		N.	S S E.	1		30.02	70	69	67		"	"	2	"	
4	"		S S E	"	1		29.99	70	69	67		"	"	3	"	
5	"		"	"	1		30.00	70	69	67		"	"	3	"	
6	"		"	"	2		30.01	70	68	66		"	"	3	"	
7	"		"	"	3		29.99	70	67	65		bc	"	5	"	
8	"		"	"	2		30.00	70	68	66		"	"	7	"	
9	"		E & S	E & S.	1		30.02	70	68	66		"	"	7	"	
10	"		S E	S E	1		30.04	70	68	66		"	"	7	"	
11	"		E S E.	E S E	1		30.04	69	67	65		"	"	7	"	
Mid.	"		"	"	1		30.04	69	67	65		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. April 14th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Clear and pleasant, Sight airs from S & E. Aneroid 29.91.

Wainwright-Kellogg
COK Lieut

4 to 8 A M. Weather clear and pleasant, Sight airs from S. and E. Barometer rising. Received on board for ships use 102½ lbs. of fresh beef, 102½ lbs. of vegetables and 82 loaves of bread. Aneroid at end of watch 29.94.

Lieut

8 A M to Meridian. Cloudy and foggy. Gentle breeze varying from W. to N N W. Inspected and mustered the crew at quarters at 9.30. Michael Casey. (Sds) absent without leave. Made out clothing requisitions and inspected and made out clothing lists. By order of Commanding Officer. Oscar Walker. (Pvt. Marine) was placed in solitary confinement on bread and water for five days for sitting down while on post and scrubbing clothes. Aneroid barometer at the close 29.98.

W. W. Smith
Master

Medidian to 4 P M. Weather foggy first part, clear and pleasant latter part, Light airs from W to light breeze shifting to S & E. Barometer falling. Made telegraphic signal to "Onward" 5251. 766. 8425, Ans. tel. 5455. also made telegraph to signal 0868, 3421. Answered telegraph. 6746. 0071. 0073. Aneroid at end of watch 29.94

Wainwright-Kellogg
COK Lieut

4 to 8 P M. Cloudy and misty, clearing latter part, Gentle breze from S & E. Mustered at quarters at 4.45. Michl Casey. (Sds) absent without leave, Aneroid barometer 29.96.

W. W. Smith
Master

8 P M to Midnight, Clear and pleasant, Light breze from S & E. Bright moonlight, Aneroid 30.00.

Wainwright-Kellogg
COK Lieut

Moon's mid Examined and found to be correct.
Dec 13 58 56 W
Phase. 1st Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ENE	Calm	0		30.02	68	67	66		bcm	Cir cumo	5	S	
2	"		"	"	0		30.02	68	67	66		"	"	5	"	
3	"		"	"	0		30.00	67	66	65		"	"	6	"	
4	"		East	"	0		30.00	67	66	65		"	"	6	"	
5	"		SSE	SSE.	1		30.00	67	66	64		"	"	6	"	
6	"		S.	S.	1		30.00	67	66	64		"	"	6	"	
7	"		"	"	1		30.05	67	66	64		bc	"	3	"	
8	"		ESE	"	1		30.05	67	66	64		"	"	4	"	
9	"		"	"	1		30.07	67	67	65		"	"	5	"	
10	"		"	Calm	0		30.09	68	68	67		"	"	7	"	
11	"		"	S	1		30.07	68	69	68		"	"	7	"	
Noon.	"		W.	W.	1		30.06	69	70	68		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 50 "

Coal consumed during the preceding 24 hours tons 1900 lbs.

Coal remaining on hand at Noon 105 " 36. "

P. M.															
1	"		NW×N.	NW by N.	1		30.00	70	70	68		bc	Cir cumo	7	"
2	"		South	South	2		30.00	70	70	68		"	"	9	"
3	"		SSE.	SSE.	2		30.00	70	70	68		"	"	8	"
4	"		"	"	2		29.99	71	70	68		"	"	8	"
5	"		"	"	1		30.00	72	70	68		"	"	7	"
6	"		"	S×E	1		29.99	72	70	68		"	Cir cumo Strat	3	"
7	"		"	SSE	1		30.02	72	69	67		"	"	6	"
8	"		"	"	1		30.01	72	69	67		"	Cir Cumo	7	"
9	"		"	"	1		30.08	71	68	66		"	"	8	"
10	"		"	"	1		30.08	70	68	66		"	Cir	9	"
11	"		"	"	1		30.08	70	68	66		"	Cir Cumo	7	"
Mid.	"		"	"	1		30.08	70	68	66		"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday April 15th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy and misty. Calm all the watch. Barometer steady. Aneroid 29.94

H.O. Dunn Ensign.

4 to 8 A.M. Cloudy and slightly misty. Light airs varying from South to S.S.E. Barometer steady. Aneroid barometer 29.96. Received in Pay. Dept, 102½ lbs of fresh beef and vegetables and 82 loaves of bread.

W. W. Smith Master.

8 A.M to Meridian. Clear and warm. Calm first part of watch, light airs from S. and W. latter part, Abg. 30 Commanding Officer inspected ship and crew at quarters. Michael Casey (Sds) absent without leave. Aneroid at end of watch 29.97.

Wainwright Kellogg Lieut

Meridian to 4 P.M. Clear pleasant weather. Light airs and breezes from N.W. by N to S.S.E. Barometer steady. Aneroid 29.94

H.O. Dunn Ensign.

4 to 8 P.M. Clear, and pleasant. Light airs from S.S.E. Aneroid 29.96. Started fires for distilling under two port forward boilers at 7.55.

Wainwright Kellogg Lieut

8 P.M to Midnight, Weather clear, and mild. Bright moonlight. Light airs from S.S.E. Barometer steady, Aneroid 30.00. At 10.05 commenced distilling water for ships use.

H.O. Dunn. Ensign

Moon Laid. Examined and found to be correct.
Dec 10° 40' 00" N.
Phase. 1st Quarter.

W. W. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		29.96	69	68	66		bc	cirrus	7	8	
2	"		SE.	SE.	1		29.95	69	68	66		"	"	8	"	
3	"		"	"	1		29.95	69	68	66		"	"	8	"	
4	"		"	"	1		29.95	69	68	66		"	"	8	"	
5	"		N.N.W	Calm	0		29.96	69	68	66		"	"	7	"	
6	"		"	"	0		29.99	69	68	66		"	"	6	"	
7	"		"	"	0		30.05	69	68	66		"	"	8	"	
8	"		"	SSE	1		30.05	69	68	66		"	"	8	"	
9	"		SSE	"	1		30.10	69	67	66		"	"	8	"	
10	"		"	"	1		30.10	69	68	66		"	"	6	"	
11	"		"	"	2		30.10	69	68	66		"	"	8	"	
Noon.	"		"	"	2		30.10	70	69	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	1100	gallons.	
Water distilled during the preceding 24 hours	2350	"	
Water remaining on hand fit for use at Noon	2000	"	
Coal consumed during the preceding 24 hours	2 tons	1520	lbs.
Coal remaining on hand at Noon	102 "	756	"

P. M.			Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	"		SSE	SSE.	2		30.08	70	70	67		bc	cirrus	7	"	
2	"		S	S	2		30.06	70	70	67		"	"	8	"	
3	"		"	"	2		30.02	71	71	68		"	"	8	"	
4	"		SSE	SSE	2		30.02	71	71	68		"	"	8	"	
5	"		"	"	2		30.02	73	71	68		"	"	8	L	
6	"		"	"	2		30.02	71	71	68		"	"	6	"	
7	"		"	"	2		30.02	71	70	68		"	"	6	"	
8	"		"	"	2		30.04	71	70	68		"	"	3	"	
9	"		SE+S.	"	2		30.06	71	68	67		"	"	6	"	
10	"		"	"	2		30.05	71	68	67		"	"	8	"	
11	"		"	"	2		30.05	71	68	66		"	"	8	"	
Mid.	"		"	"	2		30.05	70	68	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Monday. April 16th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Barometer steady at 29.95. Light breze from S.S.E to E.S.E. Cirro-cumulus clouds. Aneroid barometer 29.98. Distilling.

Hal Rohrer, Lieut-

4 to 8 A.M. Clear and warm. Calm. Distilling. Aneroid 30.00.

Wainwright Kellogg Lieut-

8 A.M. to Meridian. Clear pleasant weather. Light airs and breezes from S.S.E. Barometer steady. Aneroid 29.99. At 9.30 inspected at quarters. Michael Casey (Lds.) having been absent ten days without leave is hereby declared a deserter from this ship and from the Naval service. By order of Commanding Officer. Jas. H. Stewart (Lds) was given five first dog watches for disobedience of orders and five nights in double irons for insolence at mast. Exercised first division at great guns; 60 pdr at target practice with rifle attachment and powder division at small arms. Distilling.

F. O. Thum Ensign.

Meridian to 4 P.M. Weather clear and pleasant. Light breze from South to S.S.E. Barometer falling. At 2.20 made signal 2373 to "Onward" Exercised 2d division and Marines at firing at target with rifle attachment to 60 pdr. S.L.A. Aneroid barometer 29.94

Hal Rohrer, AR Lieut-

4 to 8 P.M. Generally clear and pleasant, cloudy last hour. Light breze from S.S.E. Barometer rising last part. Aneroid 29.98. At 4.45 mustered at quarters. Long swell from W.S.W. Distilling. At 5.06. "Onward" made general signal 8637.

F. O. Thum Ensign

8 P.M to Midnight. Weather clear and pleasant. Light breze from S.S.E. Barometer steady. Cirro-cumulus clouds. At 9.45 hauled fires and stopped distilling. Aneroid barometer 30.00.

Hal Rohrer, AR Lieut

Mean l mid. Examined and found to be correct.
Dec. 6° 57' 50" N.
Phase. 1st Quarter

W. W. Kirkham
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	3		30.09	69	67	65		bc	Cumi Numb	2	S	
2	"		"	"	3		30.06	69	67	65		"	"	2	"	
3	"		"	"	3		30.06	69	67	65		oc	numb	0	"	
4	"		"	"	2		30.06	69	67	65		"	"	0	"	
5	"		"	"	1		30.03	69	67	65		"	"	0	"	
6	"		"	"	1		30.03	69	67	65		ocm	"	0	"	
7	"		"	"	1		30.03	69	67	65		"	"	0	"	
8	"		"	"	1		30.05	69	67	65		"	"	0	"	
9	"		"	"	1		30.07	69	66	65		"	"	0	"	
10	"		"	"	1		30.09	69	66	65		"	Cir cum & Cumm	0	"	
11	"		"	"	1		30.10	70	67	65		bc	"	1	"	
Noon.	"		S	S.	1		30.12	70	67	65		"	"	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time - knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 325 gallons.

Water distilled during the preceding 24 hours 1100 "

Water remaining on hand fit for use at Noon 2775 "

Coal consumed during the preceding 24 hours tons / 300 lbs.

Coal remaining on hand at Noon 102 " 456 "

P. M.														
1	"		SSW	SSE	2	30.08	71	69	66		bc	circum	5	"
2	"		"	"	2	30.05	71	69	66		"	"	5	"
3	"		"	"	2	30.04	72	70	67		"	"	5	"
4	"		"	"	2	30.03	72	70	67		"	"	5	"
5	"		SSE	"	2	30.03	72	69	67		"	"	4	"
6	"		"	"	2	30.05	71	68	66		"	Cum strat	3	"
7	"		"	"	2	30.08	71	68	66		oc	numb	0	"
8	"		"	"	2	30.09	71	68	66		"	"	0	"
9	"		"	"	2	30.10	71	68	66		"	"	0	"
10	"		"	"	2	30.08	70	68	66		ocm	"	0	"
11	"		"	"	3	30.06	70	67	65		"	"	0	"
Mid.	"		"	"	4	30.05	69	67	65		bc	Circum	4	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, April 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and pleasant. Gentle breeze from S.S.E. Barometer steady. Aneroid 29.96.

J.P. Rees Lieut

4 to 8 A.M. Overcast cloudy and misty. Light airs from S.S.E. Barometer rising slowly. Aneroid 30.02. Received on board in Pay. Dept. 102½ lbs. fresh beef and vegetables and 82 loaves of bread for issue to crew.

H. Wilson Ensign

8 A.M. to Meridian. Weather pleasant though cloudy. Light breeze from S. to S.S.E. Barometer rising. At 9.30 mustered and inspected crew at quarters. Exercised 2d division at skirmish drill and 1st division at firing at target. Aneroid barometer 30.00. Engaged in making a new set of hammock cloths.

Karl Rohwer Lieut

Meridian to 4 P.M. Weather clear and pleasant. Gentle breeze from S.S.E. The French man of war "Montcalm" anchored off San Lorenzo at 1.00. At 1.25 the "Onward" signalled. telegraphic. 2057. 6866. 4339. 4697. Aneroid 29.95.

J.P. Rees Lieut

4 to 8 P.M. Weather pleasant, light breeze from S.S.E. Barometer rising. Cumulus, stratus and nimbus clouds. At 4.45 mustered at quarters. Got up clothes lines. Aneroid barometer 30.00.

Karl Rohwer, Lieut

8 P.M. to Midnight. Weather overcast and pleasant, light breeze from S.S.E. Barometer falling. Aneroid 29.98.

J.P. Rees Lieut

Moon's mid Examined and found to be correct.
Geo. 3° 02' 03" N.
Phase 1st Quarter

W. T. Clark
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.02	69	66	64		bc	cicum	2	S	
2	"		"	"	2		30.00	68	65	64		"	"	2	"	
3	"		"	"	3		29.98	68	65	64		oc	Nimb	0	"	
4	"		"	"	3		29.98	67	65	64		"	"	0	"	
5	"		"	"	3		30.00	68	65	64		"	"	0	"	
6	"		"	"	2		30.02	68	65	64		ocm	"	0	"	
7	"		"	"	1		30.02	68	65	64		"	"	0	"	
8	"		"	"	1		30.04	68	65	64		"	"	0	"	
9	"		"	"	1		30.06	68	65	64		"	"	0	"	
10	"		SSW	Calm	0		30.06	69	68	67		"	"	0	"	
11	"		"	"	0		30.03	69	68	67		"	"	0	"	
Noon.	"		"	SSW.	1		30.03	69	68	67		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 325 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2450 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 102 " 156 "

P. M.																
1	"		SSW.	SW×S.	1		30.00	70	69	67		bcm	cicum	3	"	
2	"		"	S	1		29.98	71	70	67		"	"	2	"	
3	"		"	"	1		29.96	71	70	67		"	"	1	"	
4	"		S	"	1		29.95	71	70	67		"	"	1	"	
5	"		"	"	1		29.98	70	67	65		"	"	1	"	
6	"		SSW.	Calm	0		29.96	69	67	65		ocm	Nimb	0	"	
7	"		NW×N.	NW.	1		29.99	69	67	65		"	"	0	"	
8	"		"	"	1		30.00	70	66	65		"	"	0	"	
9	"		"	Calm	0		30.03	70	66	65		od	"	0	"	
10	"		"	"	0		30.03	70	66	65		"	"	0	"	
11	"		NW	"	0		30.03	69	66	65		"	"	0	"	
Mid.	"		"	"	0		30.03	69	66	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday April 18th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool, overcast last two hours. Gentle to moderate breze from S.S.E. Aneroid barometer 29.94

W.W. Smith Master

4 to 8 A.M. Overcast and misty. Light airs from S.S.E. Barometer rising Nimbus clouds, Received on board for crew 102½ lbs. of fresh beef, 102½ lbs. of vegetables and 82 loaves of bread. Aneroid barometer 29.98.

Wm Wilson, YR Asst

8 A.M. to Meridian. Overcast and misty. Calm, Mustered at quarters at 9.30. and exercised 1st division at Gun drill. At 10.00 the Onward made signal Numeral 1. Aneroid 29.98.

J.P. Lamb Asst

Meridian to 4 P.M. Partially clear and pleasant. Light airs from S.W by S to S. Commanding Officer paid an official visit to French ironclad Montcalm. Aneroid barometer at end of watch 29.90.

W.W. Smith Master

4 to 8 P.M. Weather cloudy and pleasant, Light variable airs and calms, Barometer rising. Aneroid 29.98.

J.P. Lamb Asst

8 P.M to Midnight, Overcast and cloudy. Heavy dew. Calm. Aneroid barometer 30.00.

W.W. Smith Master

Moon 1st mid Dec 0° 58' 41" S. Phase, 1st Quarter

Examined and found to be correct.

W.T.H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			NNW	Calm	0		30.01	68	66	65		ofd	none	0	S	
2	"		"	"	0		30.00	68	66	65		"	"	0	"	
3	"		N.	"	0		29.99	68	66	65		ocf	nimb	0	"	
4	"		"	"	0		29.98	68	66	65		ocm	"	0	"	
5	"		NNE	"	0		30.00	67	66	64		"	"	0	"	
6	"		"	"	0		30.02	68	66	64		"	"	0	"	
7	"		"	"	0		30.02	67	67	65		bc	circum	3	"	
8	"		"	"	0		30.03	67	67	65		"	"	3	"	
9	"		NNW.	"	0		30.05	68	68	66		oc	cum. nimb	0	"	
10	"		"	NNW.	1		30.07	68	68	66		"	"	0	"	
11	"		"	"	1		30.07	68	68	66		"	"	0	"	
Noon.	"		"	"	1		30.07	68	68	66		bc	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 101 " 2096 "

P. M.															
1	"		WNW	WNW	1		30.02	70	68	66		bc	circum	6	"
2	"		NW.	NW	1		30.02	70	68	66		"	"	6	"
3	"		"	"	1		30.00	70	68	66		"	"	6	"
4	"		"	"	1		30.00	70	68	66		"	"	7	"
5	"		"	"	1		30.01	71	70	68		"	"	5	"
6	"		"	"	1		30.03	71	70	67		"	circum stt	5	"
7	"		"	Calm	0		30.03	71	70	67		"	"	5	"
8	"		N	"	0		30.05	71	70	67		"	"	5	"
9	"		"	"	0		30.09	70	69	67		"	Cir cum	7	"
10	"		"	"	0		30.09	70	69	67		"	"	9	"
11	"		"	"	0		30.08	70	69	67		"	"	9	"
Mid.	"		"	"	0		30.07	70	69	67		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday April 19th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Foggy. Damp. Calm. Aneroid 29.90.
Wainwright Kellogg Lieut

4 to 8 A.M. Weather overcast and pleasant. Calm. Barometer rising. Aneroid 29.94.
Lieut

8 AM to Meridian. Overcast and cloudy. Calm first hour, light airs from N N W remainder of watch. Mustered and inspected crew at quarters at 9.30. Exercised 3d division at skirmish drill. By order of Commanding Officer, Frank A. Smith (C.S.) and F. E. Dealing (O.S.) 1st were given each given two hours extra duty for going too far from ship while bathing. At 10.00 "Onward" made signal, 1. Aneroid barometer at the close 29.98.
W. W. Smith
Master

Meridian to 4 PM. Clear and pleasant. Light airs from N N W and N W. Received mail from the United States. Aneroid 29.94.
Wainwright Kellogg 1st Lieut

4 to 8 P.M. Pleasant weather; light airs from N W. first part, calm latter part. Mustered at quarters at 4.45 and turned in, clean hammocks. Aneroid barometer 29.98.
W. W. Smith
Master

8 PM to Midnight, Clear and pleasant. Calm. Bright moonlight. Aneroid 29.95.
Wainwright Kellogg
1st Lieut

Moon l. mid. Examined and found to be correct.
Dec. 4° 56' 11" S.
Phase. 1st Quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N & E	Calm	0		30.03	68	67	65		bcw	circum	6	S	
2	"		"	"	0		30.00	68	67	65		"	"	8	"	
3	"		"	"	0		30.00	68	67	65		"	"	8	"	
4	"		N E.	"	0		30.00	68	66	65		"	"	7	"	
5	"		S E	S E	1		30.02	68	66	65		bcm	"	4	"	
6	"		"	"	1		30.03	68	65	65		"	"	3	"	
7	"		"	"	1		30.04	68	65	65		ocm	mmb	0	"	
8	"		"	"	1		30.06	68	66	65		"	"	0	"	
9	"		S S E	S S E	1		30.07	68	66	65		bcm	cumb mmb	1	"	
10	"		"	"	1		30.08	68	68	66		"	"	4	"	
11	"		"	"	1		30.06	68	68	66		"	"	4	"	
Noon.	"		S S W	S.	1		30.06	70	69	66		bc	circum	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 360 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1750 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 101 " 1796 "

P. M.																
1			South	South	2		30.05	70	70	67		bc	circum	5	"	
2			"	"	2		30.03	70	69	67		"	"	5	"	
3			"	"	2		30.01	70	69	67		"	"	6	"	
4			"	"	2		30.00	70	69	67		"	"	6	"	
5			"	"	1		30.00	70	69	67		"	"	6	"	
6			"	"	1		30.00	70	69	67		"	cir cumu zonmb	6	"	
7			S S E	S S E	1		30.00	70	69	67		"	"	6	"	
8			"	"	1		30.00	70	69	67		"	"	5	"	
9			"	"	1		30.04	70	68	66		"	"	5	2	
10			E S E	E S E	2		30.07	70	68	66		"	"	5	"	
11			"	"	2		30.07	69	68	66		"	"	5	"	
Mid.			"	"	2		30.07	69	67	65		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Friday April 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Bright moonlight. Heavy dew. Calm all the watch. Barometer steady, Aneroid 29.92.

H. O. Dunn. Ensign

4 to 8 A.M. Cloudy and misty, overcast latter part, Light airs from S.E. Aneroid barometer 29.98.

W. W. Dunn
Master

8 A.M. to Meridian, Cloudy, slightly misty. Light breeze from S.E. At 9.30 mustered at quarters. Exercised Navigators Division at skirmish drill. Aneroid 29.95.

Wainwright Kellogg
1st Lieut

Meridian to 4. P.M. Cloudy but pleasant, Light breeze from South, Barometer falling. Aneroid 29.92. At 12.15 H.M.S. "Constance" came in and anchored, sent an officer on board to tender the usual civilities.

H. O. Dunn. Ensign

4 to 8. P.M. Clear and pleasant, Light breeze from S., At 4.45 mustered at quarters, Aneroid 29.95. W. Lemmingher-Kellogg
1st Lieut

8. P.M. to Midnight, Generally cloudy, moon shining through the clouds at intervals. Light breeze from S.S.E. Barometer steady, Aneroid 29.99.

H. O. Dunn Ensign

Moon's mid Examined and found to be correct.
Dec. 8° 42' 12" S.
Phase, 1st Quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.07	69	67	65		bc	Circum	6	S.	
2	"		"	"	1		30.06	69	67	65		"	"	6	"	
3	"		"	"	1		30.03	69	67	65		"	"	6	"	
4	"		"	"	1		30.01	69	67	65		"	"	7	"	
5	"		ESE	ESE	1		30.01	69	67	65		"	"	6	"	
6	"		"	"	1		30.01	69	67	65		"	"	6	"	
7	"		ESE	ESE	1		30.03	69	67	65		"	"	7	"	
8	"		"	"	1		30.03	69	67	65		"	"	7	"	
9	"		SSE	SSE	1		30.05	70	69	67		"	"	6	"	
10	"		"	"	1		30.07	71	70	67		"	"	8	"	
11	"		"	"	1		30.09	71	70	67		"	"	8	"	
Noon.	"		"	"	1		30.10	71	70	67		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 360 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 11400 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 101 " 1496 "

P. M.																
1	"		SSE	SSE	2		30.04	72	68	66		bc	Cir cum	8	"	
2	"		"	"	2		30.04	72	71	68		"	"	8	"	
3	"		"	S.	2		30.02	73	71	68		"	"	6	"	
4	"		S.	"	2		30.02	73	71	68		"	"	6	"	
5	"		SSE	SSE	1		30.04	72	71	68		"	"	6	"	
6	"		"	"	1		30.05	72	70	67		"	Cir cum & strat	4	"	
7	"		"	"	1		30.07	72	68	66		"	"	5	"	
8	"		"	"	1		30.07	72	68	66		"	Cir cum	4	"	
9	"		"	"	1		30.09	72	68	66		"	"	2	"	
10	"		"	"	1		30.08	72	68	66		"	"	3	"	
11	"		"	"	1		30.06	71	68	66		"	"	3	"	
Mid.	"		"	"	1		30.04	71	68	66		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday April 21st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Weather clear and pleasant. Barometer falling. Cirrus and cumulus clouds. Light breeze from S. S. E. Aneroid barometer 29.95

T/and Robinson Asst

4 to 8 A M. Clear and pleasant, light airs from E S E to Bky S. Barometer rising. Received on board in Pay Department for issue to crew 102 lbs. of fresh beef and vegetables and 82 loaves of bread, Aneroid barometer 29.98.

Wainwright Kellogg
Lor Asst

8 A M to Meridian. Clear and warm, light airs from S S E. Barometer rising. Aneroid 29.98. At 9.30 mustered and inspected at quarters. At 10.50 Commanding Officer of H. M. S. "Constance" paid an official visit on board. At 11.30 H. M. S. "Constance" got underway and left the harbor. By order of Commanding Officer gave A. C. Marett, (O. 2 C.) two extra watches for being absent from drills

A. D. Brown. Ensign

Meridian to 4 P M. Weather clear and pleasant, light breeze from South to S S E. Barometer falling slowly. Cirro-cumulus clouds. An American barque went to sea, Aneroid barometer 29.92

T/and Robinson Asst

4 to 8 P M. Cloudy and pleasant, light airs from S S E. Barometer rising. Aneroid 29.98. At 4.45 mustered at quarters. At 4.10 the Chilian transport "Amazonas" came in and anchored.

A. D. Brown Ensign

8 P M to Midnight, Weather clear and pleasant, Barometer steady. Cirro-cumulus clouds. Light breeze from S S E. Aneroid bar. 29.99

T/and Robinson Asst

Moon 1 mid
Dec. 12° 09' 21" S.
Phase Full moon.

Examined and found to be correct.

W. P. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.03	70	67	65		bc	Circum	6	8	
2	"		"	"	2		30.00	69	67	65		"	"	6	"	
3	"		"	"	2		30.00	69	67	65		"	"	6	"	
4	"		S	"	2		30.00	69	67	65		"	"	6	"	
5	"		"	"	1		30.01	69	67	65		"	"	3	"	
6	"		SE.	SE.	1		30.03	69	67	65		oc	Cumulus	0	"	
7	"		"	"	1		30.06	69	67	65		"	"	0	"	
8	"		"	"	1		30.09	69	67	65		bc	"	3	"	
9	"		"	"	1		30.06	69	67	65		"	"	3	"	
10	"		"	"	1		30.07	69	69	67		"	"	4	"	
11	"		"	"	1		30.04	70	70	68		"	Circum	7	"	
Noon.	"		SSE.	SSE.	1		30.04	70	70	68		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1050 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 101 " 1196 "

P. M.																
1	"		SSE	SSE	1		30.03	72	71	67		bc	Circum	6	"	
2	"		"	"	1		30.01	78	72	68		"	"	6	"	
3	"		"	"	1		30.02	78	72	68		"	"	7	"	
4	"		"	"	1		30.04	74	72	69		"	"	7	"	
5	"		"	"	2		29.97	74	72	68		"	Circum Cumulus	5	"	
6	"		"	"	3		29.96	73	69	65		"	"	3	"	
7	"		"	"	3		29.96	72	68	65		"	"	11	"	
8	"		"	"	2		29.97	72	67	65		"	"	6	"	
9	"		"	"	1		29.99	72	67	65		"	"	5	"	
10	"		ESE	ESE	1		29.99	71	67	65		"	Circum	6	"	
11	"		"	"	1		29.99	70	67	65		"	"	6	"	
Mid.	"		"	"	1		29.99	70	67	68		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Sunday. April 22d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Light airs from S.S.E. Barometer steady. Aneroid 29.92.

C. P. Kess Lieut

4 to 8 AM. Overcast and cloudy. Light airs from S.E. Barometer rising. Aneroid 29.99 at end of watch. Received on board in Pay Department 702 lbs. fresh beef and vegetables and 82 loaves of bread. for issue to crew.

H. O. Dunn Ensign

8 A.M. to Meridian. Weather clear and pleasant, Barometer falling Light breeze from S.E. to S.S.E. At 9.30 the Captain inspected the ship and the crew at quarters. Cirro-cumulus, cumulus and nimbus clouds. Aneroid barometer 29.95.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather clear and warm. Light breeze from S.S.E. Barometer steady. At 1.13 the Italian man of war Vetter Pisani left the harbor

C. P. Kess Lieut

4 to 8. P.M. Clear and pleasant, Clouds cirro-cumulus and nimbus, Barometer steady. Gentle breeze from S.S.E. Aneroid barometer 29.90.

Karl Rohrer Lieut

8. P.M. to Midnight, Weather clear and pleasant. Bright moonlight, Barometer steady. Aneroid 29.90.

C. P. Kess Lieut

Moon's mid Examined and found to be correct.
Dec 15° 05' 59" S.
Phase, Full moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			N N W	Calm	0		29.98	69	68	66		b e m	ci cum	8	8	
2	"		"	"	0		29.97	69	68	66		"	"	8	"	
3	"		"	"	0		29.96	68	67	65		"	"	8	"	
4	"		N.	"	0		29.96	68	67	65		"	"	8	"	
5	"		N N E	N. N E.	1		29.95	67	66	64		"	"	6	"	
6	"		"	Calm	0		29.98	67	65	63		b o f	"	3	"	
7	"		N.	N. N. W.	1		30.00	67	65	65		"	"	3	"	
8	"		N N W	"	2		30.03	68	65	64		o c f	ci cum / cumu	0	"	
9	"		"	"	1		30.06	69	66	65		b e m	ci cum	3	"	
10	"		"	"	1		30.08	70	68	66		b o	"	6	"	
11	"		"	"	1		30.08	70	68	66		"	"	6	"	
Noon.	"		"	"	1		30.06	70	68	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water ~~[illegible]~~ during the preceding 24 hours	40 "		
Water remaining on hand fit for use at Noon	7140 "		
Coal consumed during the preceding 24 hours	2 tons	120 lbs.	
Coal remaining on hand at Noon	99 "	1076 "	

P. M.																
1	"		N W × N.	N W × N.	2		30.00	70	68	66		b c	ci cumu	8	"	
2	"		"	"	2		30.00	70	68	66		"	"	8	"	
3	"		"	"	2		29.97	70	70	68		"	"	8	"	
4	"		N.	N.	2		29.97	70	70	68		"	"	8	"	
5	"		"	"	1		30.00	73	72	70		"	"	8	"	
6	"		"	Calm	0		30.02	73	72	70		"	ci cumu / strat	7	"	
7	"		"	"	0		30.011	73	72	69		"	"	6	"	
8	"		"	"	0		30.02	73	72	69		"	"	8	"	
9	"		S E.	"	0		30.00	71	69	67		"	cir	9	"	
10	"		"	S E.	1		30.00	71	69	67		"	"	9	"	
11	"		"	"	1		30.00	71	69	67		"	"	9	"	
Mid.	"		"	"	1		30.00	70	69	67		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Monday April 24th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Pleasant weather, slightly misty. Bright moonlight, Calm. Aneroid barometer 29.90.

W. McCormick Master.

4 to 8 A.M. Hazy and foggy. Light airs from N.N.E. to N.N.W. Barometer rising. Cirro-cumulus clouds. Aneroid barometer 29.93.

Karl Kolster, CR Smith

8 A.M. to Meridian. Weather clear and pleasant, Light airs from N.E and W.N.W. Barometer rising. Mustered at quarters at 9.30 and exercised at battalion drill. The third division exercised with Gatling gun. At 9.35 started fires for distilling. At 10.00 the "Onward" made int. tel. Sig. 8277. 6991. 6790. 1623. 4373. 8750. 1354. Answered 3873; the "Onward" then made 6684. 6443. 1623. 1750. – Answered 3873 and the "Onward" finished with signal 756. 2700. Commenced distilling at 11.45. Aneroid at end of watch 29.96.

C. P. Rae Smith

Meridian to 4 P.M. Clear and pleasant, Gentle breeze from N.W by N. hauling to N., Barometer steady. Distilling fresh water, Aneroid Bar. 29.90

W. McCormick Master

4 to 8 P.M. Weather clear and pleasant. Calm. Mustered at quarters at 4.45. Barometer rising. Distilling. Aneroid at end of watch 29.88.

C. P. Rae Smith

8 P.M. to Midnight. Pleasant weather. Light airs from S.E. Bright moonlight. Distilling. Aneroid barometer 29.90.

W. McCormick Master

Moon's mid. Examined and found to be correct.
Dec 17° 26' 17" S.
Phase. Full moon.

W. W. P. Parker
Smith & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE	ESE	1		29.96	70	68	66		bcm	cirqum	4	S	
2	"		"	"	1		29.96	70	68	66		"	"	0	"	
3	"		E	E.	1		29.96	70	68	66		"	"	6	"	
4	"		"	Calm	0		29.96	70	68	66		oc	"	0	"	
5	"		"	"	0		29.98	70	68	66		"	"	0	"	
6	"		"	"	0		29.98	70	68	66		"	"	0	"	
7	"		NbE	"	0		30.00	68	68	66		ocm	pmb	0	"	
8	"		"	"	0		30.00	68	67	65		"	"	0	"	
9	"		N	N.	1		30.04	68	67	65		bc	cirqum	2	"	
10	"		NNW	NbW	1		30.05	69	68	65		"	"	2	"	
11	"		[redacted]	"	1		30.04	69	69	66		"	"	5	"	
Noon.	"		"	"	1		30.03	70	69	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 2360 "

Water remaining on hand fit for use at Noon 2710 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 98 " 2216 "

P. M.																
1	"		NbW	NbW	1		30.00	70	69	67		bc	circumm	8	"	
2	"		"	"	1		29.99	71	70	68		"	"	8	"	
3	"		"	SSE	1		29.99	71	71	68		"	"	8	"	
4	"		SSE	"	1		29.98	71	70	68		"	"	8	"	
5	"		"	"	2		29.97	73	70	68		"	"	8	"	
6	"		SE	SE	2		29.98	71	70	68		"	circumm stratt	7	"	
7	"		"	"	2		30.00	71	70	68		"	"	8	"	
8	"		"	"	2		30.01	70	68	66		"	"	8	"	
9	"		"	ESE	1		30.03	70	68	66		"	circumm	8	"	
10	"		ESE	SSE	1		30.03	70	69	66		"	"	8	"	
11	"		SSE	"	1		30.02	70	69	66		"	"	8	"	
Mid.	"		"	"	2		30.00	70	68	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday April 24th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant, Obscured moonlight Distilling. Finished distilling at 4.00. Aneroid 29.94.

W. Cunningham Keller Lieut

4 to 8 A.M. Weather overcast and pleasant. Calm. Barometer rising Hauled fires at 6.00. Received for ships company 102 lbs. of fresh beef and vegetables and 82 loaves of bread. Aneroid at end of watch 29.94.

Lieut

8 A.M. to Meridian. Cloudy and misty first part, clearing latter part. Light airs from North to N.N.W. Mustered and inspected crew at quarters at 9.30. after which exercised all boats armed and equipped for landing.

Master

Meridian to 4 P.M. Clear and pleasant, Light airs to light breeze from N.N.W. to S.S.E. Barometer steady. Aneroid 29.88.

W. Cunningham Keller Lieut

4 to 8 P.M. Clear and pleasant, Light airs from S.E. to S.S.E. Mustered at quarters at 4.46. The German frigate "Moltke" came in and anchored at 4.25; sent an officer to tender the usual courtesies. Aneroid bar. 29.97.

Master

8. P.M. to Midnight. Clear and pleasant. Light breeze from S.S.E. Aneroid 29.94.

W. Cunningham Keller Lieut

Moon's mid. Examined and found to be correct.
Dec. 19° 01' 17" S.
Phase. Full moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S E.	S E.	2		30.03	69	67	65		bcw	cir	9	6	
2	"		"	"	2		30.03	69	67	65		"	"	9	"	
3	"		"	"	2		30.01	69	67	65		"	cir cumu	7	"	
4	"		"	"	1		30.00	69	68	66		"	"	6	"	
5	"		E	E.	1		30.00	69	68	66		"	"	6	"	
6	"		"	"	1		30.00	69	68	66		"	"	6	"	
7	"		E × S.	E × S.	1		30.02	69	68	66		bc	"	4	"	
8	"		"	"	1		30.00	69	68	66		"	"	3	"	
9	"		"	S S E.	1		30.03	69	68	66		"	"	5	"	
10	"		"	"	1		30.06	70	69	67		"	"	7	"	
11	"		"	"	1		30.08	70	69	67		"	"	8	"	
Noon.	"		"	"	1		30.09	70	69	67		"	"	8	"	
P. M.																
1	"		W S W.	W S W	1		30.05	71	71	68		bc	cir cumu	8	"	
2	"		S S E	S S E.	1		30.02	72	71	68		"	"	8	"	
3	"		"	"	2		30.00	72	71	67		"	"	8	"	
4	"		"	"	2		30.00	72	70	67		"	"	8	"	
5	"		"	"	2		30.01	73	70	67		"	"	8	"	
6	"		"	"	2		30.01	72	69	66		"	cumu strat	8	"	
7	"		"	"	2		30.01	72	68	66		"	cir	9	"	
8	"		"	"	2		30.01	72	68	66		"	"	9	"	
9	"		"	"	2		30.03	72	68	66		"	"	9	"	
10	"		"	"	2		30.04	71	68	66		"	"	9	"	
11	"		S E × S	S E × S	2		30.04	70	68	66		"	"	9	"	
Mid.	"		"	"	2		30.04	70	68	66		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2360 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 98 " 1916 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday April 25th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Bright moonlight Light breeze from S.E. Barometer falling slowly. Aneroid 29.92 Heavy dew. H.O. Dunn Ensign.

4 to 8 A.M. Cloudy and damp. Light airs from E.S.E. Received on board in Paymasters Department for use of crew 102½ lbs. of fresh beef and vegetables, and 82 loaves of bread. Aneroid barometer 29.98. W.M. Bonnin Master

8 AM to Meridian. Weather clear and pleasant. Light airs from S.S.E. Mustered at quarters at 9.30; exercised 2d division at great guns, 3d and Powder divisions at muskets and 1st division at target practice with boat howitzer. Expended in Ordnance Dept 1 shell, 3 shrapnel and 2 canister. Aneroid at end of watch 30.00. W. Winnington-Ingram Kellogg Jr. Lieut

Meridian to 4 P.M. Clear pleasant weather, Light airs and breezes from S.S.E and W.S.W. Barometer falling. Aneroid 29.92. Made preparations for getting in crank shaft. At 2.30 the Commanding Officer left the ship to pay an official visit to the German man of war "Moltke". H.O. Dunn Ensign

4 to 8 P.M. Clear and pleasant. Light breeze from S.S.E. Barometer steady. The Commanding Officer of the German man of war "Moltke" paid an official visit on board. Lowered main yard and made preparations for receiving crank shaft. Aneroid at end of watch 29.98. W. Winnington-Ingram Kellogg Jr. Lieut

8 P.M. to Midnight, Clear and pleasant. Bright moonlight, Light breeze from S.S.E and S.E by S. Barometer steady. Aneroid 29.98. H.O. Dunn. Ensign

Moon l. mid. Dec. 19° 11′ 0″ S. Phase. Full moon

Examined and found to be correct.

W. H. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex ; 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S S E.	S S E	2		30.00	70	67	65		bc	cirrum	8	S	
2	"		"	S E.	2		29.98	69	67	65		"	"	8	"	
3	"		"	"	2		29.98	69	67	65		"	"	6	"	
4	"		"	"	2		29.98	69	67	65		"	"	6	"	
5	"		"	S S E.	1		30.00	69	67	65		"	"	6	"	
6	"		"	Calm	0		30.02	69	67	65		"	"	8	"	
7	"		N. N. E.	"	0		30.06	69	68	66		bcm	"	8	"	
8	"		"	"	0		30.09	69	69	67		"	"	8	"	
9	"		North	"	0		30.05	70	69	67		"	"	8	"	
10	"		W N W.	W N W.	1		30.08	70	71	68		"	"	8	"	
11	"		South	South	1		30.08	71	71	69		bc	"	8	"	
Noon.	"		"	"	1		30.08	71	71	69		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 950 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2010. "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 98 " 1616 "

P. M.																
1	"		S S E	S S E	2		30.08	73	71	69		bc	cirrum	8	"	
2	"		"	"	2		30.06	73	71	69		"	"	8	"	
3	"		"	"	2		30.05	73	72	69		"	"	7	"	
4	"		"	"	2		30.04	73	71	69		"	"	6	"	
5	"		"	"	3		30.03	72	69	67		"	"	5	"	
6	"		"	S E	3		30.03	72	68	67		"	"	5	"	
7	"		"	"	3		30.03	72	68	67		"	"	5	"	
8	"		"	S S E	3		30.05	72	68	67		"	"	6	"	
9	"		"	"	3		30.09	72	68	67		"	"	6	"	
10	"		"	"	3		30.09	71	68	67		"	"	2	"	
11	"		"	"	3		30.10	70	68	66		"	cirrus Stratus	2	"	
Mid.	"		"	"	2		30.10	70	68	66		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Thursday, April 26th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light breze from S.E. to S.S.E. Barometer falling. Aneroid barometer 29.92.

Karl Rohrer USR Asst

4 to 8 A.M. Clear and warm, slightly misty. Light airs from S.S.E and calm, Aneroid at end of watch 29.99.

W. Winnington Evans USR Asst

8 A.M. to Meridian. Warm and clear, Calms and light airs from W.S.W and South. Barometer rising slowly. Aneroid 29.98. Received crankshaft from shore and hoisted it on board.

H. O. Dunn. Ensign.

Meridian to 4 P.M. Weather clear and pleasant, Barometer falling. Cirro-cumulus clouds. Light breze from S.S.E. Employed in getting crank shaft into place and having gotten it there unrove purchases, slung and trussed main yard, Hoisted in the sailing launch, Aneroid barometer 29.95

Karl Rohrer Asst

4 to 8 P.M. Cloudy but pleasant. Gentle breze from S.E. and S.S.E. Barometer steady. Aneroid 30.00 at end of watch.

H. O. Dunn Ensign

8 P.M. to Midnight. Weather clear and pleasant. Light to gentle breze from S.S.E. Barometer steady. Cirro-cumulus and stratus clouds. Aneroid barometer 30.01.

Karl Rohrer Asst

Noon Mid
Dec. 14° 28' 57" S.
Phase. Full moon.

Examined and found to be correct.

W. H. Parker
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.09	71	70	69		bc	cirrus	3	S	
2	"		"	"	1		30.07	71	70	69		"	"	4	"	
3	"		"	"	1		30.05	70	69	67		"	"	6	"	
4	"		"	"	2		30.04	70	68	67		"	"	5	"	
5	"		"	"	2		30.05	69	67	67		"	"	6	"	
6	"		"	"	2		30.06	69	68	67		"	"	6	"	
7	"		"	"	2		30.10	70	68	67		"	"	6	"	
8	"		"	"	2		30.12	70	69	67		"	"	8	"	
9	"		"	"	2		30.12	71	69	67		"	"	8	"	
10	"		"	"	2		30.12	72	70	68		"	"	8	"	
11	"		"	"	2		30.12	72	71	68		"	"	8	"	
Noon.	"		"	"	2		30.10	72	71	68		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	360	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1660	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	98 " 1316	"

P. M.																
1	"		SSE	SSE	2		30.10	72	71	68		bc	cirrus	8	"	
2	"		"	"	2		30.07	72	71	68		"	"	8	"	
3	"		"	"	2		30.05	73	71	68		"	"	8	"	
4	"		"	"	2		30.05	73	71	68		"	"	8	"	
5	"		"	"	2		30.04	75	72	70		"	cirrus & stral	4	"	
6	"		"	"	3		30.04	73	70	67		"	"	6	"	
7	"		"	"	3		30.04	73	70	67		"	"	8	"	
8	"		SE	SE	3		30.06	73	70	67		"	cir	8	"	
9	"		"	"	3		30.10	72	69	66		"	"	9	"	
10	"		"	"	3		30.10	72	68	66		"	cir cumu	9	"	
11	"		"	"	3		30.10	71	68	66		"	"	8	"	
Mid.	"		SSE	SSE	3		30.09	71	68	66		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, April 27th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant, Bright moonlight. Barometer falling. Aneroid 29.98.

C. P. Rees Lieut

4 to 8 A.M. Clouds first part. clearing latter part of watch. Light breeze from S.S.E. Barometer rising. Aneroid 30.02. At 6.30 made U.S.F.S. "Pensacola" in the offing and exchanged numbers. At 7.50 "Pensacola" anchored on our starboard beam. Made general signal. Sub. 6071. which she answered by 5637.

H. O. Dunn Ensign

8. A.M. to Meridian. Weather clear and pleasant. Light breeze from S.S.E. Cirro-cumulus clouds. At 8.55 Flagship made signal. No. 1087. Answd, At 9.30 went to general quarters and exercised the crew. At 10.00 made signal No. 5786 and Numeral 4. Aneroid barometer 30.00 The "Pensacola" fired a salute of 13 guns. French flag at the fore which the "Montcalm" answered, The German corvette "Moltke" fired a salute of 13 guns, American flag at the fore which the "Pensacola" answered.

Karl Rohrer Lieut

Meridian to 4. P.M. Weather clear and warm. Light airs from S.S.E. Barometer falling. Naval Cadets Thomas S. Prince, John J. Blandin, Albert S. Key and Philo N. McGiffin left the Ship at 3.15 to report for duty on board the U.S.S. "Pensacola" in obedience to original orders of Rear Admiral Hughes. Aneroid at end of watch 29.94.

C. P. Rees Lieut

4 to 8. P.M. Weather clear and pleasant. Barometer steady. Cirro cumulus and stratus clouds. Gentle breeze from S.S.E. Aneroid barometer 29.99. Exercised crew at fire quarters at 4.45.

Karl Rohrer Lieut

8 P.M. to Midnight. Weather clear and pleasant. Gentle breeze from S.S.E. Barometer steady. Aneroid 29.99.

C. P. Rees Lieut

Moon's mid Dec. 18° 17' 03" S
Phase. Full moon.

Examined and found to be correct.

W. T. Parkes
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	2		30.07	70	68	66		bc	cirrus	7	8	
2	"		"	"	2		30.07	70	68	66		"	"	7	"	
3	"		"	"	2		30.07	70	68	66		"	"	4	"	
4	"		"	"	2		30.03	70	68	66		"	"	4	"	
5	"		"	"	1		30.04	70	68	66		"	"	6	"	
6	"		S	S	2		30.06	70	68	66		"	"	4	"	
7	"		"	"	2		30.06	70	68	66		"	"	4	"	
8	"		"	SSE.	1		30.07	70	68	66		"	"	6	"	
9	"		SSE.	"	2		30.10	71	68	66		"	"	6	"	
10	"		"	"	2		30.10	72	70	67		"	"	8	"	
11	"		"	"	3		30.09	71	70	67		"	"	5	"	
Noon.	"		"	"	3		30.07	72	70	67		"	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 330 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1330 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 98 " 1016 "

P. M.																
1	"		SSE.	SSE	3		30.05	72	70	67		bc	cirrus	8	"	
2	"		S	S	3		30.02	72	70	67		"	"	8	"	
3	"		"	"	3		30.00	73	70	67		"	"	8	"	
4	"		"	"	2		30.00	73	70	67		"	"	8	"	
5	"		"	"	2		30.00	73	70	67		"	"	8	"	
6	"		"	"	2		30.00	73	70	67		"	"	8	"	
7	"		SSE	SSE	2		30.00	72	70	67		"	"	7	"	
8	"		"	"	2		30.02	72	68	66		"	"	4	"	
9	"		"	"	2		30.04	72	68	66		"	"	5	"	
10	"		SE	ESE	2		30.03	71	67	65		"	"	5	"	
11	"		SSE.	SSE	2		30.03	71	67	65		"	"	5	"	
Mid.	"		"	"	2		30.03	70	67	65		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, April 28th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. Gentle breeze from S.S.E. Barometer steady. Aneroid barometer at the close 29.97.

W. M. Smith Master

4 to 8 A.M. Clear and pleasant weather. Light breze from South to S.S.E. Barometer pising. Cirro-cumulus clouds. A Chilian and an English steamer came in from the S.W. At 7.30 flagship made signal No. 3350. Received on board for crew 103 lbs. of fresh beef 103 lbs of vegetables and 82 loaves of bread. Aneroid barometer 30.00.

Yard Asher, Jr. Lieut.

8 A.M. to Meridian. Weather clear and pleasant. Gentle breze from S.S.E. Barometer steady. Mustered at quarters at 9.30. At 10.00 made signals 5180. and numeral 6. The "Pensacola" answered. At 10.10, a Medical Survey of which Passed Assistant Surgeon L. P. Baldwin was the senior member was held on board this vessel to examine and report upon the cases of certain enlisted men of the crew: also a Board of Survey of which Lieut T. H. Delano, was senior member convened at 11 A.M. to determine the disposition of various articles in Equipment Department. Aneroid 29.91.

J. Rhea Lieut.

Meridian to 4 P.M. Clear and warm. Moderate breze from S.S.E. hauling to S. Received a mail from the U.S. At 12.15 made signals. (Sub.) 2602. "Pensacola" answered 9.1. At 2.00 hoisted the Guard flag in obedience to an order from the Flagship. Received an official visit from Commanding Officer of Flagship. Aneroid bar. 29.90.

W. M. Smith Master

4 to 8 P.M. Weather partly cloudy and pleasant. Light breze from S.S.E. Barometer steady. Mustered at quarters at 4.45. Aneroid 29.99.

J. Rhea Lieut

8 P.M. to Midnight. Pleasant weather. Gentle breze from S.S.E. Aneroid barometer 29.98.

W. M. Smith Master

Noon to mid Examined and found to be correct.

Dec 16 07 23 S

Phase. Full moon.

W. H. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" , 3d Rate, 6 Guns,

Callao Bay Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored	SSE		SSE	2			30.06	70	68	65		bc	Cum Nimb	3	8	
2	"		"	"	1		30.06	70	68	65		oo	Nimb	0	"	
3	"		"	"	2		30.04	69	68	65		"	"	0	"	
4	"		"	"	1		30.04	69	68	65		"	"	0	"	
5	"		"	"	1		30.04	69	68	65		bc	Cirrus Cumu	1	"	
6	"		"	"	1		30.04	69	68	65		occu.	"	0	"	
7	"		"	"	1		30.04	69	68	65		"	"	0	"	
8	"		"	"	1		30.04	69	68	65		"	"	0	"	
9	"		"	"	1		30.07	70	68	65		"	"	0	"	
10	"		"	"	1		30.09	72	69	66		"	"	0	"	
11	"		"	Calm	0		30.08	72	69	66		"	"	0	"	
Noon.	"		"	"	0		30.08	72	69	66		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	330	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1000	"
Coal consumed during the preceding 24 hours	tons 300	lbs.
Coal remaining on hand at Noon	98 " 716	"

P. M.															
1	"		SW	Calm	0		30.07	72	70	67		bc	Cirrus	2	"	
2	"		W.	W.	1		30.05	78	70	67		"	"	3	"	
3	"		WSW	SW	1		30.03	73	70	67		"	"	3	"	
4	"		SSW	SSW	1		30.01	73	70	67		"	"	3	"	
5	"		"	"	1		30.01	72	68	65		"	"	6	"	
6	"		"	"	1		30.03	72	68	65		"	Cumulus	3	"	
7	"		"	"	1		30.05	71	68	65		"	"	2	"	
8	"		"	"	1		30.07	71	68	65		oc	Nimb	0	"	
9	"		"	"	1		30.07	71	68	65		"	"	0	"	
10	"		WSW	Calm	0		3.68	71	69	66		"	"	0	"	
11	"		"	"	0		30.08	71	69	66		"	"	0	"	
Mid.	"		"	"	0		30.07	71	69	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. April 29th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light breeze from S.S.E. Aneroid 29.95.
Wainwright Kellogg
1st Lieut

4 to 8 A.M. Weather overcast and pleasant. Calm. Barometer steady. The "Pensacola" made general signal 3350 at 7.30. Aneroid 29.97.
Wm Lieut

8 A.M. to Meridian. Overcast cloudy and misty. Light airs from S.S.E. first part, calm latter part. Went to quarters at 9.30. Commanding Officer inspected the ship and crew. At 10.00 made signal (general) 580 with the numeral 6. At 10.05 "Pensacola" made signal 3837. followed by 10 minutes, Aneroid barometer 29.95.
W. W. Smith Master

Meridian to 4 P.M. Clear and warm. Light variable breeze and calms, Aneroid 29.92.
Wainwright Kellogg
1st Lieut

4 to 8 P.M. Pleasant weather. Light airs from S.S.W. Barometer rising. At 5.44 "Pensacola" made signal (Gw) 29.85. Answered Aneroid barometer 29.98.
W. W. Smith Master

8 P.M. to Midnight. Cloudy. Pleasant. Calm. Aneroid 29.98.
Wainwright Kellogg 1st Lieut

Moon's mid Dec 13° 02' 39" S
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieut-U.S. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			W.N.W.	W.N.W.	1		30.03	69	68	65		oc	nimb.	0	S	
2	"		"	"	1		30.01	69	67	65		"	"	0	"	
3	"		"	"	1		30.01	68	67	65		"	"	0	"	
4	"		W.S.W.	"	1		30.01	68	67	64		"	"	0	"	
5	"		"	N.N.W.	1		30.03	69	67	64		"	"	0	S	
6	"		"	"	0-1		30.07	69	67	64		"	"	0	"	
7	"		"	"	0-1		30.08	69	67	65		"	"	0	"	
8	"		North	Calm	0		30.09	69	67	65		"	"	0	"	
9	"		"	"	0		30.07	69	67	65		"	"	0	"	
10	"		"	"	0		30.07	69	67	65		"	"	0	"	
11	"		"	"	0		30.10	69	67	66		"	"	0	"	
Noon.	"		"	N.W.	1		30.10	69	67	65		"	"	0	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.
Latitude by D. R. at Noon ° ' "
Longitude by D. R. at Noon ° ' "
Latitude by Observations at Noon ⊙ ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ ° ' "
Current during the time ____ knots ____ fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "
Variation of the Compass by Azimuth ⊙ observed at ° ' "
Water expended during the preceding 24 hours 300 gallons.
Water ____ during the preceding 24 hours "
Water remaining on hand fit for use at Noon "
Coal consumed during the preceding 24 hours tons 700 / 300 lbs.
Coal remaining on hand at Noon 98 " 476 "

P. M.																
1	"		N.W.	Calm	0		30.08	70	68	65		bc	cirrus	3	S	
2	"		"	"	0		30.07	72	70	67		"	"	4	"	
3	"		"	S.S.E.	1		30.04	72	71	67		"	"	6	"	
4	"		"	"	1		30.04	73	72	68		"	"	7	"	
5	"		South	South	1		30.04	73	72	67		"	"	8	"	
6	"		S.S.E.	"	2		30.02	72	69	67		"	"	8	"	
7	"		"	"	2		30.02	72	69	65		"	"	8	"	
8	"		"	"	2		30.05	72	69	66		"	"	8	"	
9	"		"	"	2		30.08	72	69	66		"	"	8	"	
10	"		S.E.	S.E.	1		30.08	71	69	66		"	"	8	"	
11	"		"	"	1		30.08	71	69	66		"	"	6	"	
Mid.	"		"	"	1		30.08	70	69	66		oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "
Longitude by Chronometer from Observations * ° ' "
Variation of the Compass by Amplitude ____ observed at sunset ° ' "
Variation of the Compass by ____ at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, April 30th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Light airs from W.N.W. Barometer steady. Aneroid 29.94. Long swell from W.S.W.

R.O. Dunn. Ensign

4 to 8 A.M. Overcast and cloudy. Light airs from W.N.W. Barometer rising. At 7.30 "Pensacola" made signal (gen) 3350. Aneroid barometer 30.00.

W.W. Smith Master

8 A.M. to Meridian. Cloudy. Warm. Calms, and light variable airs from N.W. Mustered at quarters at 9.30 after which exercised the battalion. Barometer steady. Aneroid 30.00.

Manning Kellogg
1st Lieut

Meridian to 4 P.M. Cloudy and warm. Calms, and light airs from S.S.E. Barometer falling. Aneroid 29.92. At 2.20 Rear Admiral A.K. Hughes. U.S.N. Comdg Pacific Squadron, paid an official visit on board, and was received with the usual ceremonies. At 3.30 flagship made general signal 29 8 H. Discharged this day Peter Sibon (Stge Cook) from this ship and from the naval service at his own request, waiving all consular aid and transportation.

R.O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, Light breeze from South, At 4.45 mustered at quarters. Aneroid 29.96.

Manning Kellogg
1st Lieut

8 P.M. to Midnight. Clear first part, cloudy and overcast latter part of watch. Light breeze and airs from South and S.S.E. Barometer steady. Aneroid 30.00 at midnight.

R.O. Dunn. Ensign

Moon 1 mid
Dec 9° 11' 39" S.
Phase. Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	1		30.08	71	68	66		oc	Cum. mist	0	S	
2	"		"	"	1		30.07	70	68	66		"	"	0	"	
3	"		"	"	1		30.07	70	67	65		"	"	0	"	
4	"		"	Calm	0		30.06	70	67	65		"	"	0	"	
5	"		"	"	0		30.05	69	67	65		"	"	0	"	
6	"		ESE	"	0		30.05	69	67	65		"	"	0	"	
7	"		"	"	0		30.10	69	68	65		bc	Cir Cum	3	"	
8	"		NNE	NNE	1		30.12	69	67	64		"	"	3	"	
9	"		"	Calm	0		30.12	69	67	65		"	"	4	"	
10	"		NNW	NNW	1		30.12	70	68	65		"	"	6	"	
11	"		WNW	WNW	1		30.11	71	68	66		"	"	7	"	
Noon.	"		"	"	1		30.10	71	68	66		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	360	gallons.	
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	350	"	
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	128 "	116	"

P. M.																
1	"		NW.	NW.	1		30.07	71	68	66		bc	Cir cum	6	"	
2	"		WNW.	WNW.	1		30.07	71	68	66		"	"	6	"	
3	"		NW.	NW.	2		30.04	71	69	67		"	"	7	"	
4	"		"	"	2		30.04	72	69	67		"	"	7	"	
5	"		S×W	South	1		30.05	74	69	67		"	"	7	"	
6	"		"	"	1		30.06	74	71	67		"	"	4	"	
7	"		S×E.	SSE.	1		30.08	72	71	67		"	"	4	"	
8	"		"	"	1		30.10	71	70	67		"	"	4	"	
9	"		SSE.	"	2		30.12	71	67	65		"	mist	2	"	
10	"		"	"	3		30.12	71	67	65		oc d	"	0	"	
11	"		"	"	3		30.12	70	67	65		oc	"	0	"	
Mid.	"		SE.	SE	2		30.12	70	67	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday May 1st, 1883.

U S S "Essex" (3d Rate)
Callao. Peru. May 1st 1883.

Commander
A. H. McCormick U S N.
Commanding.

Sir:

We recommend that Hans Kerr, (2d Class Fireman) be rated 1st Class Fireman.

Very respectfully.

A. H. Markley Lieut
W. H. Parker Lieut
F. J. Hoffman P.A. Engr
} Permit Board.

d pleasant, light breeze
ulus clouds. Aneroid

rl Rohrer, USN Lieut
ible airs and calms.
crew 102 lbs. of fresh
d. Aneroid 30.02.
USN Lieut
nd light airs from N.W.
02. At 10.00 made general
ard of Officers from the
ent Stores.

A.H. McCormick, Ensign

Moderate to H. W. Weather clear and pleasant, Barometer falling Cirro-cumulus clouds. Light breeze from N.W. to W.S.W. Engineers Force employed in putting together the engine. Received on board the following stores, viz: In Equipment Department, 1 coil of marline, 1 coil of roundline; In Construction Department, 30 lights of glass; In Navigation Department: 100 gallons of Lard Oil; In Paymasters Department, 5 lbs. Pork, 6 Cases Preserved meat, 16 bags of Coffee, 3 cases of Butter, 1 bbl. of Molasses, 1 bbl of Vinegar, 1 bale of overshirts, 12 bales of Flannel, 1 box of calfskin shoes, 10 boxes of Tobacco, 10 boxes of Soap, 4 boxes of sewing silk, 1 box of Pocket Handkerchiefs, 1 box of Jack Knives and 15 boxes of Candles, In Engineers Department, 40 lbs. sheet brass. 76 lbs. Sheet Copper, 24 Bath-bricks, 30 lbs of Chrome Green, 100 lbs of White Lead, 100 lbs. of Red Lead, 17 feet of Iron Pipe, 2 Dust brushes, 18 Corn brooms, 58 lbs. of shot gunn, Cloth lined, and 2 Bolts of Muslage. The French Admiral made an official visit to the ship Aneroid barometer 29.96.

Hans Rohrer Lieut

4 to 8 P.M. Weather cloudy and pleasant, light airs from South and S.S.E. Barometer rising. Aneroid 3000. At 4.40 mustered at quarters. At 5.30 made general signal 456 to "Pensacola" which was answered by 90 1/2. Put on yard and mast covers and hoisted smoke stacks. At 5.40 "Pensacola" made general signal 2985. Received on board in Construction. 100 feet pine lumber, Hoisted in steam and sailing launches. Mr H.G. Julian came on board for passage to Honolulu.

A.H. McCormick, Ensign

8 P.M. to Midnight. Weather overcast and cloudy. Light to gentle breeze from S.S.E. to S.E. Barometer steady. Light drizzling rain in second hour of watch, Nimbus clouds. Aneroid barometer 30.02.

Hans Rohrer, Lieut.

Moon's mid Dec 4° 44' 54" S.
Phase Last quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

Exam. Bk No 4

Chief Boatswains Mate 1
Boatswains Mates 2
Chief Gunners Mate 1
Quartermasters 1
Quartermasters 3
Gunners 3
Captains of Forecastle 2
" " Tops 11
" " Afterguard 12
Coopers Crafts 3
Captain of the Hold 1
Sailmakers Mate 1
Armorer & Cutler 1
Captains of Waist 1
Chief Masters Mate 1
" Carpenter 1
Carpenters Crafts 1
Chief Yeoman 1
Yeomen 1
Ships Corporal 1
Trumpeters 1
Fifers 1
Drummers 1
Master at Arms 1
Ships Steward 1
Ships Cook 1
Steerage Steward 1
" Cook 1
Wardroom Steward 1
" Cook 1
Steerage Steward 1
" Cook 1
Seamen 11
Ordinary Seamen 10
Landsmen 11
Boys 2
Sailmakers 1
Blacksmiths & Engrs. 1
Engineers 7
Firemen 6

Landsmen &c 19

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday May 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, light breeze from S.S.E. Barometer steady. Cumulus and nimbus clouds. Aneroid barometer 29.98.

Karl Rohrer, USR Lieut

4 to 8 A.M. Cloudy. Pleasant. Light variable airs and calms. Received on board 30 tons of coal. Received for crew 102½ lbs. of fresh beef. 102½ lbs of vegetables and 82 loaves of bread. Aneroid 30.02.

William [illegible] USR Lieut

8 A.M. to Meridian. Cloudy and pleasant. Calms and light airs from N.N.W. and W.S.W. Barometer falling slowly. Aneroid 30.02. At 10.00 made general signal 5180, numeral 4 to "Pensacola". At 10.20 a board of Officers from the "Pensacola" came on board to survey some Equipment Stores.

A. D. Lamb, Ensign

Meridian to 4 P.M. Weather clear and pleasant, Barometer falling Cirro-cumulus clouds. Light breeze from N.W. to W.S.W. Engineers Force employed in putting together the engine. Received on board the following stores, viz: In Equipment Department, 1 coil of marline, 1 coil of roundline; In Construction Department, 30 lights of glass; In Navigation Department: 100 gallons of Lard Oil; In Paymasters Department, 5 lbs. Pork, 6 cases Preserved meat, 16 bags of Coffee, 3 cases of Butter, 1 bbl. of Molasses, 1 bbl of Vinegar, 1 bale of overshirts, 12 bales of Flannel, 1 box of calfskin shoes, 10 boxes of Tobacco, 10 boxes of Soap, 4 boxes of sewing silk, 1 box of Pocket Handkerchiefs, 1 box of Jack Knives and 15 boxes of Candles, In Engineers Department, 40 lbs. sheet brass. 76 lbs. Sheet Copper, 24 Bath-bricks, 30 lbs of Chrome Green, 100 lbs of White Lead, 100 lbs. of Red Lead, 17 feet of Iron Pipe, 2 Dust brushes, 18 Corn brooms, 58 lbs. of Shot gun, Cloth lined, and 6 Bolts of Mucilage. The French Admiral made an official visit to the ship Aneroid barometer 29.96.

Karl Rohrer Lieut

4 to 8 P.M. Weather cloudy and pleasant. Light airs from South and S.S.E. Barometer rising. Aneroid 30.00. At 4.40 mustered at quarters. At 5.30 made general signal 4561 to "Pensacola" which was answered by 90 4. Put on yard and mast covers and hoisted smoke stacks. At 5.40 "Pensacola" made general signal 2985. Received on board in Construction. 100 feet pine lumber, 1 Whitehead in steam and sailing launches. Mr H. G. Julian came on board for passage to Havana.

A. D. Lamb, Ensign

8 P.M. to Midnight. Weather overcast and cloudy. Light to gentle breeze from S.S.E. to S.E. Barometer steady. Light drizzling rain in second hour of watch, Nimbus clouds. Aneroid barometer 30.02.

Karl Rohrer, Lieut.

Moon's mid Dec 4° 44' 54" S. Phase Last quarter

Examined and found to be correct.

W. H. Parker, Lieut USN Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Auckland			S E	S E	2		30.10	70	67	65		rain	nimb	0	8	
2	"		"	"	2		30.10	70	67	65		"	"	0	"	
3	"		"	"	2		30.10	70	67	65		"	"	0	"	
4	"		S S E	S S E	2		30.07	70	67	65		"	"	0	"	
5	"		"	"	1		30.08	70	67	65		"	"	0	"	
6	"		N E.	Calm	0		30.08	70	67	65		bc	cir cum	2	"	
7	"		"	"	0		30.08	70	67	65		"	"	2	"	
8	"		"	"	0		30.09	70	67	65		"	"	2	"	
9	"		N N W.	N. N. W.	1		30.12	71	69	66		"	"	4	"	
10	"		W N W.	S W × W.	1		30.12	70	69	66		"	"	4	"	
11	"		S W × W.	"	1		30.12	70	69	66		"	"	4	"	
Noon.	"		S S E	S S E.	1		30.10	70	69	66		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 900 "

Water remaining on hand fit for use at Noon — 900 "

Coal consumed during the preceding 24 hours — 2 tons 1420 lbs.

Coal remaining on hand at Noon — 125 " 936 "

P. M.																
1	"		S S E	S S E	1		30.08	71	70	67		bc	cum. nimb	3	"	
2	"		"	"	1		30.06	71	70	67		"	"	3	"	
3	"		"	"	1		30.06	71	70	67		"	"	3	"	
4	"		"	"	1		30.06	71	70	67		"	"	3	"	
5	"		"	"	1		30.04	71	71	67		"	"	3	"	
6	"		"	"	1		30.03	70	68	66		"	"	3	"	
7	"		"	"	1		30.03	70	68	66		bc	"	0	"	
8	"		"	"	1		30.05	70	68	66		"	nimb	0	"	
9	"		"	"	1		30.06	70	68	65		bc	cir cum	5	"	
10	"		"	"	1		30.06	70	68	65		"	"	5	"	
11	"		"	"	1		30.05	70	68	65		"	"	4	"	
Mid.	"		S.	S S W	1		30.03	70	68	65		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday, May 2d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and pleasant, light airs from S.E. and E'd. Barometer steady. Aneroid 29.99.

P. Hall Lieut

4 to 8 A.M. Cloudy weather, Calms and light airs from S.S.E. Barometer steady. Aneroid 30.02. At 7.30 "Pensacola" made general signal 3350. Received on board in Pay Department 102 lbs. of fresh beef and vegetables and 82 loaves of bread. At 4.00 started fires in starboard forward boilers and at 6.00 commenced distilling water for ships use.

A. Dunn. Ensign

8 A.M. to Meridian. Weather pleasant, Barometer steady. Cirro-cumulus clouds. Breze light in force and variable in direction Distilling water. At 9.30 mustered at quarters and exercised 1st division at small arms, 2d division at great guns. 3d at Gatling gun Powder at single sticks and Masters at small arms. The "Pensacola" got underway at noon and stood over towards San Lorenzo Island Aneroid barometer 29.98.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather cloudy and pleasant, light airs from S.S.E. Barometer steady. The "Pensacola" anchored off San Lorenzo Island at 12.40. Received on board in Paymasters Department 2 sacks of sugar, and one chest of tea. Enlisted as landsman for cruise special service. Joseph Hayama, Aneroid at end of watch 29.94. Distilling

P. Hall Lieut

4 to 8 P.M. Weather pleasant, Barometer steady. Light breze from S.E. Cumulus and nimbus clouds. Mustered crew at quarters at 4.45 and served out clean hammocks. Distilling. At 4.58 flag ship made signal No. 2984. Answd, and at 5.00 she made signal No 4881. Answd and got up hammock girtlines, Aneroid barometer 29.97.

Karl Rohrer, KR Lieut

8 P.M. to Midnight, Weather partly cloudy and pleasant, light airs from S.S.E. Barometer steady. Distilling. Aneroid 29.98.

P. Hall Lieut

Moon's mid Examined and found to be correct.
Dec 00° 05' 07" N
Phase, Last quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S	S	1		30.07	70	68	65		oc	nimb	0	S	
2	"		"	"	1		30.05	70	68	65		"	"	0	"	
3	"		"	"	1		30.02	70	68	65		"	"	0	"	
4	"		"	"	1		30.01	69	68	65		"	"	0	"	
5	"		"	"	1		30.01	69	68	65		"	"	0	"	
6	"		"	"	1		30.01	69	68	65		"	"	0	"	
7	"		"	"	1		30.04	69	68	65		"	"	0	"	
8	"		"	"	1		30.06	69	68	65		"	"	0	"	
9	"		"	Calm	0		30.08	69	68	66		ocd	"	0	"	
10	"		SSW.	"	0		30.08	70	69	67		"	"	0	"	
11	"		"	SSW.	1		30.08	70	69	67		oc	cirrus	0	"	
Noon.	"		"	"	1		30.06	70	68	67		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	2350	"	
Water remaining on hand fit for use at Noon	2900	"	
Coal consumed during the preceding 24 hours	tons 1608	lbs.	
Coal remaining on hand at Noon	124 " 1576	"	

P. M.																
1	"		SSE	SSE.	1		30.06	71	70	67		bc	cirrus	2	"	
2	"		"	"	1		30.03	72	70	66		"	"	2	"	
3	"		S	"	1		30.02	72	70	66		"	"	2	"	
4	"		SSE	"	2		30.00	71	69	65		"	"	2	"	
5	"		"	"	1		30.01	71	68	65		"	cu strat	1	"	
6	"		"	"	1		30.01	70	68	65		"	"	1	"	
7	"		"	"	2		30.04	70	68	65		oc	nimb	0	"	
8	"		"	"	2		30.04	70	68	65		"	"	0	"	
9	"		"	"	2		30.06	71	68	65		"	"	0	"	
10	"		"	"	2		30.06	71	68	65		"	"	0	"	
11	"		"	"	1		30.06	70	68	65		ocd	"	0	"	
Mid.	"		"	"	1		30.06	70	68	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy;

Thursday, May 3d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Overcast and cloudy. Light airs from S.S.E. Distilling. Aneroid barometer 29.94.

W. W. Smith Master

4 to 8 A.M. Weather pleasant. Light airs from S.S.E. Barometer rising. Cumulus clouds. Aneroid barometer 29.98. Stopped distilling and hauled fires at 6.30. Threw overboard a two pound can of beef which was condemned by Board of Survey as spoiled.

Karl Rohrer Asst Surg

8 A.M. to Meridian. Weather overcast and pleasant, Calm, Barometer rising. Mustered at quarters at 9.30 and exercised 1st division at cutlasses 2d, at small arms, 3d at Gatling gun, and Powder division at passing powder, At 11.15 the "Pensacola" made signal 1610. Aneroid at end of watch 29.99.

C. P. Plate Asst Surg

Meridian to 4 P.M. Cloudy and pleasant, Light airs from S.S.E, Barometer falling. Aneroid 29.92. At 4.55 "Pensacola" made signal "general" 3918. Answered.

W. W. Smith Master

4 to 8 P.M. Weather cloudy and pleasant, Barometer steady. Mustered at quarters at 4.45. At 5.30 the "Pensacola" made signal 2985.

C. P. Plate Asst Surg

8 P.M. to Midnight, Overcast cloudy and damp. Light airs from S.S.E. Aneroid barometer 29.98.

W. W. Smith Master

Moon's mid Dec 5° 01' 20" N
Phase. Last quarter

Examined and found to be correct.

W. T. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.00	69	67	65		oc.	cumb	0	S	
2			"	"	1		30.00	69	67	65		"	"	0	"	
3			"	"	1		30.00	68	67	65		"	"	0	"	
4			"	"	1		29.99	68	67	65		"	"	0	"	
5			S	S	1		30.01	68	67	65		"	"	0	S	
6			"	Calm	0		30.05	68	67	65		"	"	0	"	
7			"	"	0		30.08	68	67	66		bo	Cir Cumb	3	"	
8			"	"	0		30.10	68	67	66		"	"	1	"	
9			"	"	0		30.10	68	67	66		"	"	1	"	
10			WNW.	"	0		30.10	69	68	66		"	"	5	"	
11			W.	W	1		30.10	70	70	68		"	"	5	"	
Noon.			"	"	1		30.10	70	70	68		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2550 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon. 124 " 1276 "

P. M.																
1	"		W	W	1		30.08	72	71	69		bc	Cir Cumb	2	"	
2	"		"	SSW	1		30.08	72	71	69		"	"	2	"	
3	"		SSW	"	1		30.07	72	71	69		"	"	2	"	
4	"		"	"	1		30.07	72	71	69		"	"	2	"	
5	"		SSE	SSE	2		30.05	71	68	67		"	"	4	"	
6	"		"	"	2		30.03	70	68	67		"	"	4	"	
7	"		"	"	2		30.03	70	68	67		"	"	5	"	
8	"		"	"	2		30.05	70	68	67		oc	nimb	0	"	
9	"		"	"	2		30.07	70	68	67		"	"	0	"	
10	"		"	"	2		30.07	70	68	67		"	"	0	"	
11	"		"	"	2		30.07	70	68	67		"	"	0	"	
Mid.	"		"	"	2		30.07	70	68	67		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Friday, May 4th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant, Sight airs from S.S.E. Aneroid 29.94.

Wainwright Kellogg
Lieut

4 to 8 A.M. Weather overcast and pleasant, Calm. Barometer rising. Aneroid 30.00.

Lieut

8 A.M to Meridian. Cloudy and warm, Calm first part, Sight airs from W. latter part, Exercised at general quarters at 9.30. Lieutenant M. R. S. Mackenzie and Lieutenant Wainwright Kellogg went to the Pensacola as members of a Board of Survey. Sent W. H. Warner (Lds.) William Carvalliar. (OS 2Cl.) and William Stevenson (Sea 2Cl) to this "Colombia" with bags hammocks and necessary papers to be transferred to the Hospital at New York, Aneroid barometer 30.00.

W. M. Master

Meridian to 4 P.M. Clear and pleasant, Sight variable airs. Mail steamer for Panama left the harbor. Aneroid 29.95.

Wainwright Kellogg Lieut

4 to 8 P.M. Cloudy and pleasant, Gentle breeze from S.S.W. shifting to S.S.E. Exercised at fire quarters at 4.45 Received on board in Eng'r't Department 1 coil of 4½ in. Manilla rope and 1 coil of 2¾ in. Manilla rope also in Construction department 60 ft of 7/8 in Pine lumber. French man of war "Hugon" came in and anchored near San Lorenzo Island. Aneroid barometer 30.00.

W. W. Master

8 P.M to Midnight, Cloudy. Pleasant, Light breeze from S.S.E. Aneroid 29.96.

Wainwright Kellogg
Lieut

Moon's mid Examined and found to be correct.
Dec 9° 44' 03" N.
Phase. Last quarter.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	2		30.08	70	68	66		ocm	nimb	0	S	
2	"		"	"	1		30.08	70	68	66		ocd.	"	0	"	
3	"		"	"	1		30.07	70	68	66		"	"	0	"	
4	"		SE.	Calm	0		30.05	69	67	65		"	"	0	"	
5	"		SSW.	SSW	1		30.06	68	67	65		"	"	0	"	
6	"		"	"	1		30.08	68	67	65		oc	"	0	"	
7	"		"	"	1		30.10	68	66	65		bcm	cumnimb	2	"	
8	"		"	"	1		30.14	68	66	65		"	"	2	"	
9	"		"	Calm	0		30.14	68	66	65		bc	"	4	"	
10	"		"	"	0		30.15	68	66	65		"	"	4	"	
11	"		WSW.	WSW	1		30.15	69	68	66		"	"	4	"	
Noon.	"		"	"	1		30.12	70	68	66		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2200 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 134 " 976 "

P. M.																
1	"		West	West	1		30.10	70	70	67		bc	cumnimb	2	"	
2	"		"	"	1		30.10	70	70	67		"	"	2	"	
3	"		"	"	1		30.07	70	70	67		"	"	2	"	
4	"		WSW.	WSW	1		30.07	70	70	67		"	"	2	"	
5	"		"	SSW.	1		30.05	72	70	67		"	"	8	"	
6	"		SSW.	"	1		30.05	71	69	65		"	"	7	"	
7	"		"	SSE	1		30.05	70	68	65		"	"	4	"	
8	"		"	"	1		30.05	70	68	65		"	"	8	"	
9	"		SSE	"	2		30.10	70	68	65		"	cir cumu	7	"	
10	"		"	"	2		30.10	70	68	65		"	nimb	3	"	
11	"		"	"	2		30.10	70	68	65		ocm	"	0	"	
Mid.	"		"	"	2		30.10	70	67	65		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Saturday. May 5th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and misty with light drizzling rain. Light airs from S.S.E. and calms, Barometer falling. Aneroid 29.98.

H. O. Dunn. Ensign.

4 to 8 A.M. Cloudy misty and damp. Light airs from S.S.W. Received onboard in Pay Department for use of crew 98 lbs. of fresh beef and vegetables and 79 loaves of bread, Aneroid barometer 30.04

W. M. Conn Master

8 A.M. to Meridian. Cloudy pleasant. Light airs from W.S.W. from 10.00 calm first part of watch. At 9.00 mustered at quarters. Triced up hammocks to dry. French flagship Montcalm and corvette Dugouy came to anchor in the harbor. By order of Commanding Officer James Cameron, (CC) was placed in solitary confinement for three days for fighting and Ab Saml Cabin Cook) was placed in confinement in double irons for ten days for assaulting a shipmate. Aneroid 30.04.

Wainwright Kellogg
COX Smith

Meridian to 4. P.M. Cloudy and pleasant, light airs from West and W.N.W. Barometer falling. Aneroid 29.96. Engineers Force engaged in connecting up engine.

H. O. Dunn. Ensign

4 to 8 P.M. Clear and pleasant, Light breeze from S.S.W. and S.S.E. At 4.45 mustered at quarters, turned in clean hammocks Aneroid 30.00

Wainwright Kellogg
COX Smith

8 P.M. to Midnight. Cloudy, overcast and misty last part, Light breeze from S.S.E. Barometer steady. Aneroid 30.02

H. O. Dunn. Ensign

Moon's mid Examined and found to be correct.
Dec 15° 51' 36" N.
Phase. Last quarter.

W. J. T. Parker
Smith & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay, Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE.	1		30.10	70	67	65		ocm	nimb	0	S	
2	"		"	"	1		30.07	69	67	65		"	"	0	"	
3	"		"	"	1		30.07	69	67	65		"	"	0	"	
4	"		NW.	NW	1		30.07	69	67	65		"	"	0	"	
5	"		"	Calm	0		30.07	69	67	65		"	"	0	"	
6	"		"	"	0		30.07	69	67	65		"	"	0	"	
7	"		"	NNW.	1		30.09	69	67	65		"	"	0	"	
8	"		"	"	1		30.10	69	67	65		"	"	0	"	
9	"		WNW.	Calm	0		30.15	68	67	65		bc	cicum	3	"	
10	"		"	WNW.	1		30.15	69	67	64		"	"	3	"	
11	"		W.	"	1		30.15	69	68	65		"	"	3	"	
Noon.	"		WSW	WSW.	1		30.14	70	69	66		"	"	3	"	

P. M.																
1	"		WSW	WSW	1		30.11	70	69	67		bc	Cir cum Strat	3	"	
2	"		"	"	1		30.10	71	70	67		"	"	3	"	
3	"		SW.	SW.	1		30.10	71	70	67		"	"	3	"	
4	"		"	Calm	0		30.09	71	70	67		"	"	2	"	
5	"		NNW.	"	0		30.06	70	69	67		"	"	1	"	
6	"		SSE.	SSE.	1		30.06	69	69	67		"	Cir cum Strat	1	.	
7	"		"	"	1		30.08	69	69	67		oo	"	0	"	
8	"		"	"	1		30.10	69	69	67		"	Cumulus	0	"	
9	"		"	"	1		30.10	70	68	65		bc	Nimb	2	S	
10	"		"	"	1		30.10	70	67	65		bc	"	0	"	
11	"		"	"	1		30.10	69	67	64		"	"	0	"	
Mid.	"		"	"	1		30.10	68	67	64		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1850 "

Coal consumed during the preceding 24 hours — tons 30.0 lbs.

Coal remaining on hand at Noon — 124 " 676 "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude — observed at sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, May 6th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and misty. Light airs from S.S.E. Aneroid bar. 30.03

W. H. Parker Lieut

4 to 8 A.M. Overcast cloudy and misty. Light airs from N.W. W.N.W and calm. Received on board in Pay Dept for use of crew 98 lbs of fresh beef and vegetables and 79 loaves of bread. Aneroid 30.04

Manning[illegible]-Kellogg WR Lieut

8 A.M to Meridian. Cloudy and pleasant, Light airs from W.S.W and W.N.W. Barometer steady. Aneroid 30.02 at noon, At 9.30 called all hands to muster and read "Articles for better government of the Navy. Mustered crew.

H.O. Dimmick Ensign

Meridian to 4 P.M. Weather pleasant, Light breeze from S.W. to W.S.W. Barometer steady. Cirro-cumulus and nimbus clouds. Aneroid bar. 29.98.

[illegible], Lieut

4 to 8 P.M. Weather cloudy and pleasant, overcast last part, Calm and light airs from S.S.E. Barometer rising. Aneroid 30.02. At 5.35 "Pensacola" made general signal 2985. At sunset observed the beginning of a total eclipse of the sun.

H.O. Dimmick Ensign

8 P.M to Midnight, Weather cloudy. Light airs from S.S.E.

W. H. Parker Lieut.

Moon's semi-d Dec 17° 03' 27" 76
Phase. New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, *3d* Rate, *6* Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			SSE	SSE	3		30.10	69	66	65		rcd	nimbus	0	b	
2	"		"	"	2		30.10	69	65	64		"	"	0	"	
3	"		"	"	2		30.10	69	65	64		"	"	0	"	
4	"		"	"	2		30.10	69	65	64		oc	"	0	"	
5	"		"	"	1		30.08	69	65	64		"	"	0	"	
6	"		"	"	1		30.08	69	65	64		"	"	0	"	
7	"		"	"	1		30.08	69	65	64		"	"	0	"	
8	"		"	"	1		30.08	69	66	64		"	"	0	"	
9	"		"	South	1		30.10	69	67	65		"	"	0	"	
10	"		"	"	1		30.12	69	67	65		bc	Circum	2	"	
11	"		"	"	1		30.12	70	68	65		"	"	2	"	
Noon.	"		"	"	1		30.12	70	68	65		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 124 " 376 "

P. M.																
1	"		S	S.	1		30.11	69	67	64		bc	cirrus	2	"	
2	"		SSE.	SSE	2		30.10	69	67	64		"	"	2	"	
3	"		"	"	3		30.08	69	66	64		"	"	2	"	
4	"		"	"	3		30.07	69	66	64		oom	nimb	0	"	
5	"		"	"	2		30.07	68	66	64		bc	cumnimb	1	"	
6	"		SE	SE.	1		30.08	69	67	65		"	.	1	"	
7	"		"	"	1		30.09	69	67	65		oc	nimb	0	"	
8	"		"	"	1		30.10	69	67	64		"	"	0	"	
9	"		"	"	1		30.10	69	67	64		"	"	0	"	
10	"		"	SSE	1		30.08	69	67	64		bc	cirrus	4	"	
11	"		"	"	2		30.08	69	67	64		"	"	4	"	
Mid.	"		"	"	3		30.08	69	67	64		oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, May 7th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Weather overcast and pleasant, light airs from S S E. Barometer steady. Aneroid 30.02.

J. Rees Lieut

4 to 8 A M. Overcast and cloudy. Light airs from S S E. Barometer steady. Aneroid 30.02. At 7.30 "Pensacola" made general signal 3350.

A. Summ. Ensign.

8 A M to Meridian. Weather pleasant. Light breeze from S. At 9.30 mustered and inspected crew at quarters. Exercised battalion, Exercised torpedoes. Cut and fitted new royal and topgallant yard ropes. Setting up engine and its appurtenances. Received on board in Equipment Department 1 axe, 1 chopping tray, 1 chopping knife, 1 cleaver, 4 sauce pans, 3 roasting pans and 4 iron spoons; in Paymasters Department 100 tin pots and 100 tin pans. Aneroid barometer 30.04. Threw overboard five bags of weevily bread.

Wm Woodward Lieut

Meridian to 4 P M. Weather overcast and pleasant. Light breeze from Sd and Ed. Barometer falling. Rove off studdingsail gear.

J. Rees Lieut

4 to 8 P M. Weather pleasant, Light breeze from S E to S S E. Barometer steady. Bent main trysail. Received on board in Paymasters Department 4 bbls. (1000 lbs) of sugar and (5 bbls.) 1000 lbs of flour. Received on board in Engineering Dept. 2 bags of charcoal, 500 lbs, smiths coal and 3 gallons of turpentine. Aneroid barometer 30.02.

Wm Woodward Lieut

8 P M to Midnight. Weather cloudy and pleasant, Light breeze from Sd and Ed. Barometer falling. Aneroid 30.00.

J. Rees Lieut

Noon to mid Examined and found to be correct.
Dec 19° 04' 12" N.
Phase. New moon.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			ESE.	ESE	2		30.05	68	67	65		oc	nimb	0	S	
2	"		SSE	SSE	2		30.05	68	66	65		"	"	0	"	
3	"		"	"	2		30.03	67	66	64		bc	cum nimb	3	"	
4	"		"	"	2		30.03	67	66	64		"	"	5	"	
5	"		"	"	2		30.07	67	66	64		"	"	4	"	
6	"		SSW	SSW.	1		30.10	67	66	64		"	"	4	"	
7	"		"	Calm	0		30.10	67	66	64		"	"	4	"	
8	"		"	"	0		30.10	67	66	64		"	"	4	"	
9	"		"	"	0		30.10	68	67	65		"	"	4	"	
10	"		"	"	0		30.10	68	67	65		"	"	3	"	
11	"		"	"	0		30.10	68	68	66		"	"	3	"	
Noon.	"		"	SSW.	1		30.10	68	68	66		"	"	2	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊙	°	'	"
Longitude by Chronometer from Forenoon Observations ⊙	°	'	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	'	"
Variation of the Compass by Azimuth ⊙ observed at	°	'	"
Water expended during the preceding 24 hours	350		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1180		"
Coal consumed during the preceding 24 hours	tons	300	lbs.
Coal remaining on hand at Noon	124 "	76	"

P. M.															
1	"		S2W	SSW	1		30.08	71	70	65		bc	cirrus	4	"
2	"		"	"	2		30.06	71	70	65		"	"	2	"
3	"		"	"	3		30.04	71	70	66		"	"	1	"
4	"		"	"	3		30.02	71	70	66		"	"	1	"
5	"		"	"	2		30.03	70	67	63		"	"	1	"
6	"		SSE	SSE	2		30.01	69	66	63		"	"	1	"
7	"		SSW	SSW.	2		30.05	69	66	63		oc	nimb	0	"
8	"		"	"	2		30.07	70	66	63		"	"	0	"
9	"		"	"	2		30.07	69	66	63		"	"	0	"
10	"		"	"	2		30.07	69	66	63		"	"	0	"
11	"		"	"	2		30.07	69	66	63		"	"	0	"
Mid.	"		"	"	2		30.04	69	66	63		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations *	°	'	"
Variation of the Compass by Amplitude observed at sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, May 8th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy first part, clearing latter part. Gentle breeze from E.S.E to S.S.E. Aneroid barometer 30.00.

W.W. Smith Master

4 to 8 A.M. Pleasant weather. Light airs from E.S.E to S.S.W. in first part of watch and calm in latter part. Received on board for crew 99 lbs of fresh beef, 99 lbs of vegetables and 76 loaves of bread, Aneroid bar. 30.12

Karl Rohrbach Asst Surgeon

8 A.M to Meridian. Weather cloudy and pleasant. Calm. Barometer steady. Mustered at quarters at 9.30. Exercised Signal Class. Making preparations for sea. Engineer's Force completing repairs in Engine room, Aneroid 30.00.

C.F. Rose Asst Surgeon

Meridian to 4 P.M. Pleasant weather. Gentle breeze from S.S.E. Got up light sails: sent down topgallant yards, bent light sails and crossed topgallant yards, doubled fore topsail sheets, shackled topsail reef tackles &c. Engineers force at work on engines. At 1.00 Pensacola made signal (general) 2984. Aneroid barometer 29.98.

W.W. Smith Master

4 to 8. P.M. Weather clear and pleasant. Light breeze from S.E. and E. to S.E. and E.S.E. Barometer falling. Mustered at quarters at 4.45. Aneroid at end of watch 29.94.

C.F. Rose Asst Surgeon

8. P.M to Midnight. Overcast and cloudy. Gentle breeze from S.S.E. Barometer steady. Aneroid barometer 30.00.

W.W. Smith Master

Moon's mid. Examined and found to be correct.
Dec 19° 46' 10" N.
Phase, New moon

M.T. Parker
Lieut and Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Callao Bay. Peru.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S.S.E	S.S.E.	2		30.04	68	66	64		ocd	nimb	0	S	
2	"		"	"	2		30.03	68	66	64		"	"	0	"	
3	"		"	"	3		30.03	68	66	64		bc	circum	2	"	
4	"		"	"	3		30.03	68	66	64		"	"	4	"	
5	"		S.S.W.	S.S.W.	2		30.00	67	65	63		"	"	2	"	
6	"		E.S.E.	E.S.E.	1		30.00	67	65	63		"	"	2	"	
7	"		"	"	2		30.03	66	64	61		"	"	2	"	
8	"		"	"	2		30.03	66	64	61		"	"	2	"	
9	"		S.S.E.	S.S.E.	1		30.09	67	65	62		oc	nimb	0	"	
10	"		"	"	1		30.09	67	65	62		"	"	0	"	
11	"		"	"	1		30.09	67	66	63		"	"	0	"	
Noon.	"		"	"	1		30.09	67	66	63		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	850	"	
Coal consumed during the preceding 24 hours	tons 300	lbs.	
Coal remaining on hand at Noon	111 " 2016	"	

P. M.																
1	"		S.S.E	S.S.E	1		30.04	69	66	65		ocm	nimb	0	"	
2	"		"	"	2		30.00	69	66	65		"	"	0	"	
3	"		"	"	2		30.00	68	66	65		"	"	0	"	
4	"		"	"	2		30.00	68	66	65		"	"	0	"	
5	"		"	"	3		30.00	68	66	62		"	"	0	"	
6	"		"	"	3		30.00	68	66	62		"	"	0	"	
7	"		"	"	3		30.00	68	66	62		"	"	0	"	
8	"		"	"	3		30.00	68	66	62		"	"	0	"	
9	"		"	"	2		30.05	68	65	63		oc	"	0	"	
10	"		"	"	2		30.07	68	65	63		"	"	0	"	
11	"		"	"	2		30.07	68	65	63		"	"	0	"	
Mid.	"		"	"	1		30.07	68	65	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday. May 9th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light breeze from S.S.E. Aneroid 29.95.

W. Cunningham Keeney
Lieut

4 to 8 A.M. Weather cloudy and pleasant, Gentle breeze from S.S.E. Barometer rising. At 7.36 the "Pensacola" made signal 3360. Aneroid at end of watch 29.98. Received on board for use of crew 98 lbs of fresh beef and vegetables and 79 loaves of bread.

Lieut

8 A.M to Meridian. Overcast and cloudy. Light airs from S.S.E. Received on board 180 bags (20 tons 40 lbs.) coal, Aneroid barometer 30.00.

W. W. Inman
Master

Meridian to 4 P.M. Cloudy. Slight drizzle first hour of watch, clearing weather the remainder. Received in Pay Department 3 sheets of tin, Aneroid 29.95.

W. Cunningham Keeney
Lieut

4 to 8 P.M. Overcast and cloudy. Moderate breeze from S.S.E. At 5.35 made signal (Int.) 4660. Pensacola answered 90 L. Hoisted smokestack and pilot covers on mast and yards for steaming. Aneroid bar. 29.95.

W. W. Inman
Master

8 P.M to Midnight, Cloudy. Pleasant, Light airs from S.E. Aneroid 29.96.

W. Cunningham Keeney
Lieut

Moon's mid Dec. 19° 11' 40" N Phase. New moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At anchor Callao Bay, Peru and making passage to Honolulu S. Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
Anchored			S	S	1		30.04	68	65	63		oct	nimb	0	S	
2	"		"	"	1		30.04	68	65	63		"	"	0	"	
3	"		"	Calm	0		30.01	67	65	63		"	"	0	"	
4	"		S W.	"	0		30.02	67	64	63		"	"	0	"	
5	"		"	"	0		30.04	67	64	63		ocd	"	0	"	
6	"		"	S W	1		30.06	67	64	63		"	"	0	"	
7	"		"	"	1		30.08	67	64	63		"	"	0	"	
8	"		"	"	1		30.08	67	64	63		"	"	0	"	
9	"		N W.	N W	1		30.13	66	64	63		bc	Ci cumu	2	"	
10	"		W N W	W N W.	1		30.13	67	64	64		"	"	4	"	
11	"		"	"	1		30.12	68	67	64		"	"	5	"	
Noon.	"		S W × W.	S W × S	2		30.10	68	67	63		"	"	5	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	360	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	500	"	
Coal consumed during the preceding 24 hours	1 tons	1060	lbs.
Coal remaining on hand at Noon	140 "	956	"

	P. M.															
	Anchored at San Lorenzo															
	1	2	36	S S W	S S W	2	30.09	68	68	64		bc	ci cumu	6	S	
S	2	"		"	"	2	30.08	68	68	64		"	Cumulus	3	"	
12°04′	3	Standing out to sea		W.	"	3	30.04	67	67	63		"	"	2	"	Set fore and aft sail
W																
77°16′	4	2	2	W N W.	S W × S	3	30.02	67	65	62	66	"	"	2	2	
	5	6	5	"	"	3	30.02	67	65	62	66	"	"	2	"	Made sail to royals
	6	7	4	"	"	3	30.02	67	65	62	66	"	"	2	"	
	7	1/2 4	4	"	S S W.	3	30.05	67	65	62	66	"	"	5	"	
S		4	0	W.												
11°56′	8	6	0	W ¼ N.	"	3	30.05	68	65	62	66	"	Ci cumu	6	"	
W																
77°51′	9	6	6	W.	S	4	30.06	67	65	62	66	"	"	5	M	
	10	7	11	"	"	4	30.05	67	65	62	66	"	"	5	"	
	11	7	0	"	"	4	30.03	66	66	62	66	"	"	5	"	
	Mid.	7	4	"	"	4	30.03	67	67	63	66	"	"	5	"	Plain sail

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, May 10th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and pleasant, Calm, Barometer falling, Aneroid 29.98.

[illegible] Lieut

4 to 8 A.M. Overcast, cloudy and drizzling. Light airs from S.W. Got covers and gripes on boats. Received a mail from the U.S. Aneroid bar. 30.00.

W.W. Smith Master

8 A.M. to Meridian, Cloudy, clearing last hour of watch. Light variable airs. At 9.30 mustered at quarters. By order of Commanding Officer Ensign H.O. Dunn was suspended for ten days for being drunk on board ship and unofficerlike conduct. At 11.20 made signal 2259. Flagship answered 90 L. At 11.30 called all hands up anchors. At 11.41 got underway. Standing towards San Lorenzo Island at end of watch. Aneroid 30.00.

W. Livingston-Kellogg

1st Lieut

Meridian to 4 P.M. Weather pleasant. At 12.25 came to with starboard anchor off San Lorenzo Island. At 1.00 flagship made signal No 4362. Answered, and hauled down the guard flag. At 2.15 made signal (Interrogatory) No 48.90. which flagship answered with 90 L. Hove up anchor, and started ahead under steam. At 3.00 put the ship on the course West and set fore and aft sail by order of the Captain. At 3.40 changed course to W.S.W. by order of Captain. Ships draft on leaving port. fourteen feet and three inches forward and sixteen feet aft. Took departure at 3.00 San Lorenzo Light house bearing South (per compass) distance 1/4 mile. Patent log was put over at 3.00 showing 68.2 miles and at 3.40 it showed 72.25. The French flagship is standing out of the harbor. Light to gentle breeze from S.W. to S.S.W. Barometer falling. Cirro-cumulus, cumulus and nimbus clouds. Aneroid 29.96. Steam 60 lbs. Revs 38.

[illegible] Lieut

4 to 6 P.M. Weather cloudy and pleasant. Gentle breeze from S.S.W. Barometer steady. Mustered at quarters at 4.45. Made sail to royals at 4.50. Aneroid 30.00. Sighted Coronigas Rocks at 6.00 bearing S.W.

[illegible] Lieut

6 to 8 P.M. Clear and pleasant. Moderate breeze from S.S.W. At 6.20 changed course to West. Started two additional fires for distilling. Aneroid 30.04 Bright moonlight and starlight.

W.W. Smith Master

8 P.M. to Midnight. Clear and pleasant. Moderate breeze from South. Moderate sea. Steaming under four boilers. Commenced distilling at 10.00. Moon set at 9.30. Patent log at end of watch 37.9 Aneroid 30.02.

W. Livingston-Kellogg

1st Lieut

Moon's mid Examined and found to be correct.
Dec 17° 15' 11" N
Phase New Moon

M. J. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru. to Honolulu. Sandwich Islands

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	West	S × W	4		30.05	67	67	63	70	bc	cum nimb	4	W	Steam and all plain sail
2	7	5	"	"	4		30.05	67	67	63	70	"	"	4	"	except mainsail
3	8	0	"	"	4		30.05	67	67	63	70	"	"	2	"	
4	7	5	"	"	4		30.05	67	67	63	70	"	"	2	"	
5	6	8	"	S.	4		30.03	68	67	63	70	"	"	2	"	
6	7	6	"	S × E.	4		30.03	68	69	67	70	"	"	2	"	
7	7	6	"	"	4		30.06	68	69	67	70	"	"	2	"	
S 11°27' 8	6	4	"	S S E	4		30.06	69	69	67	70	"	"	2	"	Set fore topmast and Topgal
W 79°28' 9	6	4	"	"	4		30.08	70	70	65	70	"	cir cum	2	"	studdgls. Set port lower studgl
10	6	4	"	S E	4		30.10	71	70	65	72	"	"	3	"	Took in flying jib & fore sail
11	6	2	"	"	4		30.09	71	71	65	72	"	"	3	"	Took in spanker
Noon.	6	4	"	"	3.4		30.08	72	71	66	72	"	"	4	"	

Distance run by Log since preceding Noon 137 knots 7 Tenths

Latitude by D. R. at Noon 11° 32' " S

Longitude by D. R. at Noon 79° 53' " W

Latitude by Observations at Noon ⊙ 11° 23' " S

Longitude by Chronometer from Forenoon Observations ⊙ 79° 54' W

Square 261 Current during the time 0.37 knots ~~fms.~~ per hour, setting to the N 2° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 2100 "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours 11 tons 860 lbs.

Coal remaining on hand at Noon 129 " 96 "

P. M.														
S 11°32' W 80°00' 1	6	0	West	S S E	3	30.07	70	70	67	70	bc	cir cum	4	M
2	6	0	"	"	3	30.03	71	70	66	70	"	"	4	"
3	5	5	"	"	3	30.03	71	71	68	70	"	"	4	"
4	Swinging ship		"		3	30.00	71	71	69	70	"	"	6	"
5	2	0	S S E	S E.	3	30.00	71	71	69	74	"	cum nimb	4	"
6	2	0	S E.	"	4	30.00	71	71	69	74	"	"	2	"
S 11°20' W 80°24' 7	5	5	West	"	3	30.01	72	71	69	74	"	cir cum nimb	4	S
8	6	0	"	"	3	30.02	72	71	67	73	"	"	4	"
9	6	6	"	"	4	30.03	72	72	67	73	"	"	3	"
10	6	6	"	"	4	30.04	72	72	67	73	"	"	2	"
11	6	0	"	"	3-4	30.06	72	72	67	73	oc	nimb	0	"
Mid.	6	0	"	"	3-4	30.06	72	72	67	73	"	"	0	"

Took in port studdgls

Took in top gallt sails and royals.

Took in fore sail & M try sail and flying jibs

Made plain sail to royals except fly jib, jib, M sail and spanker.

Set all port studding sails

Longitude by Chronometer from Afternoon Observations ⊙ 80° 14' 45" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by ag O at 3. P. M. 11° 00' E

under the command of Commander A. H. McCormick, U. S. Navy;

Friday, May 11th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Moderate breze from S by W. Barometer steady. Cumulus and nimbus clouds. Under steam and sail. Steam 4 Bls. Revs. 37. Distilling. Aneroid barometer 29.98.

Karl Rohwer Lieut

4 to 8 A.M. Weather cloudy and pleasant. Gentle breze from S'd and Ed. Barometer rising. Stopped steaming at 7.25. banked fires under two port boilers. Keping steam in the starboard forward boilers for distilling. Set port top-mast and top gallant studding sails at 7.45. Aneroid 30.01.

F. Rose Lieut

8 A.M. to Meridian. Cloudy and pleasant. Moderate breze from S.S.E. hauling to S.E. Set port lower studding sail, and hauled down flying jib and fore topmast staysail at 8.40. Went to quarters, at 9.15 and mustered, and inspected the crew. Took in spanker at 10.55. Aneroid barometer 30.00. By order of Commanding Officer John J. Walton (Dr Gr) was given three days solitary confinement on bread and water for making false accusations against the Master at Arms. Thos Trainor (Gs Mate) J. Smith (Bs Mate) Henry Hudson, (Cox) John Mitchell (Bs Mate) and J. J. Walton (Dr Gr) the two first to have one half monthly money for one month the others one fourth monthly money for one month. 10 Mar 83

W. W. Smith Master

Meridian to 4 P.M. Cloudy, clearing last hour. Moderate breze from S.E. At 3.00 took in all sail and got underway under steam, four boilers to swing ship to ascertain deviation of compasses. Swinging ship at end of watch. Aneroid 29.92.

Wainwright Lieut

4 to 6 P.M. Weather cloudy and pleasant. Moderate to gentle breze from S.E. Barometer steady. Cumulus and nimbus clouds. At 5.55 stopped steaming, banked fires under 4 boilers and uncoupled engines Made plain sail to royals. except mainsail, flying jib, jib and spanker. At 6.00 set all port studdingsails. At 5.30 stopped distilling. From 4.00 to 5.55 engaged in swinging ship for deviations. Aneroid barometer 29.92

Wainwright Lieut

6 to 8 P.M. Weather cloudy and pleasant. Gentle breze from S.E. Smooth sea. Barometer steady. Aneroid, at end of watch 29.94.

F. Rose Lieut

8 P.M to Midnight, Cloudy and cool. Overcast last part, Moderate breze from S.E. Aneroid barometer 29.98.

W. W. Smith Master

Moon laid Examined and found to be correct.
Dec 14° 58' 02" N
Phase New Moon

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Callao. Peru to Honolulu. Sandwich Isles

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	West	S × S.	2		30.05	71	71	68	70	oc	nimb	0	M	All plain sail except
2	6	11	"	"	2		30.03	71	71	67	70	"	"	0	"	M sail & Spanker.
3	6	0	"	S.	3		30.02	71	71	68	72	"	"	0	"	All port studgls.
4	7	0	"	"	3		30.01	72	67	66	72	"	"	0	"	
5	7	0	"	S S E	4		30.02	72	72	67	73	"	"	0	"	
6	6	5	"	S × E.	3		30.03	72	72	67	73	"	"	0	"	Took in all studgls
7	5	7	"	S	3		30.05	72	72	67	73	bc.	Cir cumu nimb	3	S	Set all port studgls
8	4	0	"	S × E	2		30.09	72	72	67	73	"	"	3	"	
9	5	4	"	"	4		30.06	72	72	68	74	"	"	3	"	
10	6	0	"	"	4		30.08	72	72	68	74	"	"	2	"	
11	6	0	"	"	4		30.08	73	73	68	74	"	"	2	"	Plain sail except m. sail
Noon.	7	0	"	"	4		30.08	74	73	68	74	"	"	3	"	spanker and all port studgls

Distance run by Log since preceding Noon	129 knots 2 tenths
Latitude by D. R. at Noon	11° 04' S
Longitude by D. R. at Noon	81° 54' W
Latitude by Observations at Noon ⊙	10° 55' S
Longitude by Chronometer from Forenoon Observations ⊙	81° 56' W
Current during the time .41 knots ——— fms. per hour, setting to the	N 23° W
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8. a. m. -	10° 58' E
Water expended during the preceding 24 hours	350 gallons.
Water distilled during the preceding 24 hours	1100 "
Water remaining on hand fit for use at Noon	30.00 "
Coal consumed during the preceding 24 hours	3 tons 1180 lbs.
Coal remaining on hand at Noon	125 " 186 "

P. M.																
1	6	2	W.	S × E	3		30.06	75	74	67	74	bc	Cir cumu	2	S.	Took in port lower studgl
2	5	0	W × S.	S S E	3		30.06	75	74	67	74	"	"	3	"	Set flying jib & S of top stays'l
3	Swinging			S × E	3		30.04	74	74	68	74	"	"	3	"	Took in all sail except fore sail
4	ship			S S E	3		30.02	73	73	67	74	"	"	2	"	and jib. Took in jib
5.	8	0	W × S	"	3		30.03	73	72	65	73	"	"	2	"	Plain sail except main
6	6	0	"	S.	3		30.02	73	72	66	74	"	"	3	"	sail and spanker and all
7	6	0	"	"	4		30.02	73	72	65	74	"	"	3	"	port studgls except lower
8	7	0	"	"	5		30.02	73	72	65	74	"	"	3	"	
9	7	3	"	"	5		30.06	73	72	65	74	"	Cir cumu nimb	2	"	
10	7	11	"	"	5		30.07	73	72	65	74	"	"	3	"	
11	6	6	"	"	4		30.07	73	72	67	74	"	"	3	"	
Mid.	7	0	"	"	4		30.07	73	72	67	74	"	"	4	"	Same

Longitude by Chronometer from Afternoon Observations ⊙	82° 09' W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by Az θ at 4 P. M.	10° 50' E

under the command of Commander A. K. McCormick, U. S. Navy;

Saturday, May 12th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Moderate breeze with occasional puffs from S.S.E. freshening latter part of watch. Fires banked under four boilers. Aneroid 29.94.

Wainwright Kellogg Jr Lieut

4 to 8 A.M. Weather pleasant. Barometer rising. Light to moderate breeze from S to S.S.E. Fires banked. At 6.00 took in port studding sails and clewed up royals and topgallantsails. At 7.30 set all port studding sails and set the royals and topgallantsails. Smooth sea. Aneroid barometer 30.02.

Wm C Rowan Lieut

8 A.M. to Meridian. Weather cloudy and pleasant. Moderate trades from S by E. Smooth sea. Barometer steady. Steering a course West. Aneroid barometer 29.99.

C Rees Lieut

Meridian to 4 P.M. Pleasant weather. Moderate breeze from S.S.E. to S by E. At 1.45 shortened sail to topsails, coupled propellor and started ahead under steam, took in topsails and jib and commenced swinging ship for deviation. Owing to cloudy weather was unable to complete our circuit. So at 3.45 stopped and made sail. Aneroid barometer 29.95.

W H Brownson Master

4 to 6. P.M. Cloudy. Pleasant. Moderate breeze from S.S.E. Smooth sea At 5.00 stopped steaming, detached screw and banked fires. At 4.00 made all sail and all port studding sails except lower. Aneroid 29.94

Wainwright Kellogg Jr Lieut

6 to 8 P.M. Weather pleasant. Breeze moderate to fresh from South. Barometer steady. Cirro-cumulus clouds. Sea smooth. Ship steady Aneroid barometer 29.97.

Wm C Rowan Lieut

8 P.M. to Midnight, Weather cloudy and pleasant, Fresh trades from S.S.E. Smooth seas Barometer steady. Aneroid 29.98.

C Rees Lieut

Moon's mid Examined and found to be correct.
Dec 11.. 47.. 18.. 2
Phase New Moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	4	W x S	S S E	4		30.05	73	73	68	74	bc	Cumulus	1	S	Plain sail except
2	6	0	"	"	4		30.04	73	73	68	74	"	"	3	"	Mainsail & Spanker.
3	6	6	"	"	4-5		30.04	73	71	67	74	"	"	5	"	Port t'gall & Stdg sails
4	7	6	"	"	4-5		30.02	72	70	68	74	"	"	5	"	Main try sail.
5	6	4	"	S.	5		30.06	71	71	68	74	"	"	6	"	Took in sail except
6	7	0	"	"	5		30.05	71	71	68	74	"	"	6	"	t'gsails & t'gall stay sail
7	4	0	S.W.	S S E	3		30.07	72	71	69	75	"	"	4	"	Took in t'gall stay sail
S 10° 45' W 8	5	0	W.	"	3		30.11	72	72	69	76	"	"	4	"	Set all plain sail
83° 57 9	2	0	NW x W.	S	4		30.11	73	72	67	75	"	Cir cumulus	4	"	except mains'l. try-
	4	0	W x S.													
10	6	0	"	S x E.	4		30.11	73	72	67	76	"	"	4	"	sail & spanker
11	5	0	"	"	3		30.11	73	72	67	76	"	"	4	"	Set all port stdg sls. ex-
Noon.	6	0	"	S S E	3		30.10	72	72	67	76	"	"	3	"	cept lowrs. Set flying
																jib & t'gall stay & M. try sail

Distance run by Log since preceding Noon	137 knots 9	Tenths ~~fathoms.~~
Latitude by D. R. at Noon	10° 55'	S'
Longitude by D. R. at Noon	84° 25' 0"	W
Latitude by Observations at Noon ⊙	10° 45'	S
Longitude by Chronometer from Forenoon Observations ⊙	84° 13'	W
Current during the time knots fms. per hour, setting to the ?		
2 60 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
Variation of the Compass by Azimuth ⊙ observed at 7. A. M.	11° 00'	E
Water expended during the preceding 24 hours	350	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2650	"
Coal consumed during the preceding 24 hours	3 tons 580	lbs.
Coal remaining on hand at Noon	122 " 576	"

P. M.															
1	4	6	W x S.	S S E	3		30.05	73	72	67	76	bc	Cir Cumulus & Stratus Mixed	4	"	Plain sail except
2	5	6	"	S x E	3		30.05	73	72	67	76	"	"	2	"	M sail & spanker and
3	6	0	"	"	4		30.02	73	72	67	76	"	"	1	"	fore t'gall'ds except lower
4	5	8	"	"	4		30.02	74	72	67	76	"	"	1	"	
5	4	8	"	"	3		30.01	74	73	67	76	"	"	2	"	
6	5	0	"	"	3		30.04	74	73	67	76	"	"	2	"	
7	4	6	"	"	3		30.02	74	73	67	76	oc	Cum Mixed	0	"	
S 11° 45' W 85° 00 8	5	4	"	"	3		30.02	74	73	67	76	bc	"	1	"	
9	5	6	"	"	3		30.06	74	73	67	75	"	"	2	"	
10	6	0	"	"	4		30.08	74	73	66	75	"	"	2	"	
11	6	0	"	"	4		30.10	74	72	66	75	"	"	3	"	
Mid.	6	5	"	"	4		30.10	74	73	66	75	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander A. H. McCormick, U. S. Navy;

Sunday, May 13th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy. Moderate to fresh breeze from S.S.E. Barometer steady. Aneroid barometer 29.96.

W. W. Smith Master

4 to 8 A.M. Cloudy with occasional breaks in the clouds. Moderate breeze from S.S.E. From 6 to end of watch swinging ship. At 6.15 took in studdingsails and light sails. At 7.15 set light sails. Aneroid 30.01.

Wainwright Kellogg 2d Lieut

8 A.M. to Meridian. Weather pleasant, Gentle to moderate breeze from S to S.S.E. Barometer steady. From 8 to 8.30 engaged in swinging ship for compass deviation. At 8.30 put the ship on her course, W by S. by order of Commanding Officer and made sail. At 9.15 mustered and inspected at quarters. Smooth sea with an occasional long roller. Ship steady. Aneroid barometer 30.00.

Ward Robinson Lieut

Meridian to 4 P.M. Weather cloudy and pleasant. Moderate breeze from S by E. Smooth sea. Barometer falling. Aneroid 29.93.

C. P. Kimball Lieut

4 to 6 P.M. Pleasant weather. Moderate breeze from S by E. Barometer steady. Aneroid barometer 29.96.

W. W. Smith Master

6 to 8 P.M. Cloudy. Pleasant, Moderate to light breeze from S by E. Smooth sea. Banked fires under 4 boilers. Aneroid 29.96.

Wainwright Kellogg 2d Lieut

8 P.M. to Midnight. Weather cloudy but pleasant, Gentle to moderate breeze from S by E. Barometer rising. Cumulus and nimbus clouds. Sea smooth with an occasional long roller. Banked fires under 4 boilers. Aneroid barometer 30.00.

Ward Robinson, Lieut

Moonlight

Dec 7 58' N

Phase First Quarter

Examined and found to be correct.

W. H. Parker
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex" ; 3d Rate, 6 Guns,

Making passage from Callao. Peru. to Honolulu. Sandwich Isles.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	W × S	S × E	4		30.08	73	73	67	75	bc	Cum Nimb	1	S.	Plain sail except main
2	6	0	"	"	4		30.05	73	78	67	75	"	"	4	"	sail and spanker
3	5	6	"	"	4		30.05	73	73	67	75	"	"	4	"	Port studdingsails
4	6	0	"	"	4		30.05	73	73	67	75	"	"	3	"	
5	5	6	"	"	4		30.07	73	73	67	75	"	"	2	"	
6	6	0	"	"	4		30.08	73	73	67	76	"	"	2	"	
S 7	5	0	W	S S E	3		30.10	74	73	67	75	"	"	3	"	
10 40 W 8	4	4	W N W.	"	3		30.10	74	73	67	76	"	"	2	"	Took in main Topsail
86°07 9	2 4	0 6	N W W × S	"	3		30.13	74	74	72	75	"	Cicum	6	M	and all studding sails
10	7	0	"	"	3		30.15	76	78	74	75	"	"	8	"	
11	7	0	"	"	3		30.14	78	75	74	76	"	"	8	"	
Noon.	7	6	"	"	3		30.10	76	76	74	76	"	"	8	"	Same

Distance run by Log since preceding Noon	136 knots 0 tenths fathoms.
Latitude by D. R. at Noon	10° 42' 00" S
Longitude by D. R. at Noon	86° 31' 00" W
Latitude by Observations at Noon ⊙	10° 40' 00 S
Longitude by Chronometer from Forenoon Observations ⊙	86° 30' 00" W
Current during the time —— knots —— fms. per hour, setting to the	——
259 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
259 Variation of the Compass by Azimuth ⊙ observed at 8. a. m.	11° 00' 00 E
Water expended during the preceding 24 hours	350 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	2300 "
Coal consumed during the preceding 24 hours	2 tons 120 lbs.
Coal remaining on hand at Noon	120 " 456 "

P. M.															
1	6	0	West	S S E	4		30.10	76	76	68	76	bc	Cicum Stratus	8	S	
2	6	0	"	"	4		30.08	76	76	68	76	"	"	8	"	
3	6	0	"	"	4		30.06	76	77	68	76	"	"	8	"	Took in all sail
4	3	0	S S W.	"	4		30.03	76	77	68	76	"	"	7	"	
5	Swinging ship			"	4		30.02	76	77	68	76	"	"	7	"	
6	4	0	West	"	4		30.02	76	77	68	76	"	"	8	"	Set all plain sail ex-
S. 7	6	4	"	"	4		30.02	76	75	68	76	"	"	6	"	cept mainsail & spanker
10° 33' W 8	7	0	"	"	4		30.02	76	75	68	76	"	"	7	"	and all port studgls
87°09 9	7	4	"	S S E	3		30.07	76	74	69	75	"	Cum Nimb	2	"	All plain sail ex-
10	8	0	"	"	3		30.08	76	78	70	75	"	"	6	"	cept fore and aft sail
11	8	0	"	"	3		30.06	75	74	70	75	"	"	8	"	all port studgls
Mid.	8	0	"	"	3		30.04	75	74	69	75	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	86° 35' W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by ag ⊙ at 4. P. M. Lat 10° 36' S Long 86° 53 W	° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Monday, May 14th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and pleasant, Moderate breeze from S by E. Smooth sea, Barometer steady. Steering a course N by E. Aneroid 29.98.

Lieut

4 to 8 A.M. Cloudy and pleasant, Moderate breeze from S by E. hauling to S.S.E. At 6.40 commenced swinging ship for deviations At 7.15 took in main try sail and all port studdingsails. Aneroid barometer 30.02.

W.W. Smith Master

8 A.M to Meridian. Cloudy first half, clear and pleasant remainder of watch. Smooth sea, At 9.15 mustered at quarters. Exercised signal class. By order of Commanding Officer released J. J. Walton, Ord'y from confinement. At 8.00 stood off on course and set all port studdingsails. Banked fires under four boilers. Aneroid 30.00.

Mainwaring Lieut

Meridian to 4 P.M. Clear and pleasant weather. Barometer falling slowly. Cirro-cumulus and stratus clouds. Moderate breeze from S.S.E. At 3.00 spread fires. took in studdingsails foresail and light sails. hove to and coupled up propellors At 3.15 took in topsails, hauled down head sails, and went ahead slowly under steam. At 3.30 began to swing ship for compass deviations. Aneroid barometer 29.90. At 12.00 Changed Course to West by order of Captain

Earl Howard Lieut

4 to 6 P.M. Weather clear and pleasant, Moderate breeze from S.E and E.S.E. Barometer steady. Mustered at quarters at 4.45. Swinging ship during first part of watch. Called all hands make sail at 5.20 and made sail to royals, setting all port studdingsails. Aneroid 30.06.

Lieut

6 to 8 P.M. Clear and pleasant, bright moonlight and starlight Moderate breeze from S.S.E. slightly freshening. Aneroid bar. 29.96.

W.W. Smith Master

8 P.M to Midnight, Clear and pleasant, Moonlight, Fresh breeze from E.S.E. Ship rolling 15° to 20°. Banked fires. Aneroid 29.98. Patent log at end of watch 64.

Mainwaring Lieut

Moon 1 mid
Dec 4° 06' 40" N
Phase First Quarter

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru to Honolulu Sandwich Felds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	0	West	SE by S	5		30.06	75	74	70	75	bc	Cum-strat	8	M.	All plain sail to royals
2	8	0	"	"	5		30.04	75	74	69	75	"	Cum	6	"	except main sail and
3	8	0	"	"	5		30.03	75	74	69	75	"	"	6	"	fore and aft sail. All
4	7	5	"	"	5		30.03	75	74	69	76	"	"	6	"	port studgls
5	7	8	"	E.	5		30.02	75	74	69	75	"	"	6	"	
6	7	2	"	"	5		30.00	75	74	69	75	"	"	4	"	Set all abd studgls
7	6	6	"	"	4		30.00	75	74	69	75	"	Cir. cumu str. cumu	4	"	
5 10°21 W 8	6	6	"	"	4		30.03	75	74	69	76	"	"	2	"	
88°34' 9	6	0	"	"	3		30.10	75	76	70	75	"	"	4	"	
10	6	0	"	"	3		30.12	76	77	71	77	bcp	"	4	"	
11	5	6	"	"	3		30.11	76	76	72	77	"	"	6	"	Same
Noon.	6	0	"	"	3		30.10	76	77	71	77	"	"	4	"	

Distance run by Log since preceding Noon — 153 knots 2 ~~fathoms~~ Tenths.

Latitude by D. R. at Noon — 10° 14' 51" S

Longitude by D. R. at Noon — 88° 55' W

Latitude by Observations at Noon ⊙ — 10° 16' 5") S

Longitude by Chronometer from Forenoon Observations ⊙ — 88° 58' 00" W

Current during the time — knots — fms. per hour, setting to the —

259 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ' "

Variation of the Compass by Azimuth ⊙ observed at — ° — ' "

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1950 "

Coal consumed during the preceding 24 hours — 2 tons 1520 lbs.

Coal remaining on hand at Noon — 117 " 1176 "

P. M.														
1	5	2	W.	SE.	3	30.09	77	77	72	78	bc	Cir Cumu Strat	3	M	Took in abd studgls
2	5	0	"	"	3	30.06	76	77	72	78	bcp	Cir Cumu Strato	3	"	
3	5	0	"	ESE.	3	30.00	76	76	72	78	"	"	2	"	
4	5	0	"	"	3	30.00	76	76	71	78	"	"	2	"	
5	5	5	"	SSE	4	29.99	76	76	71	78	"	Cumu-nimb	3	"	Same
6	6	0	"	"	4	29.98	76	76	71	78	bc	"	4	"	"
7	6	4	"	ESE	4	30.00	76	76	71	78	"	"	4	"	
S 10°08 W 8	6	0	"	"	4	30.00	77	76	71	78	"	"	4	"	Same
89°42 9	6	4	"	SSE.	5	30.04	77	76	72	75	"	"	2	"	
10	7	2	"	"	5	30.06	77	76	72	75	bcp	"	2	"	
S 10°04 11	7	2	"	"	5	30.06	76	76	71	76	"	"	2	"	
W 90°32 Mid.	6	8	"	"	5	30.04	76	76	71	76	"	"	2	"	Same

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday, May 15th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Fresh breeze from S.E. by S. Barometer falling. Clouds cumulus and cumulo-stratus. Moderate sea which ship rides easily making a heavy roll now and again. Fires banked. Aneroid barometer 29.94.

Harl Rohrer Lieut

4 to 8 A.M. Weather cloudy and pleasant, Moderate breeze from East. Barometer steady. Set all starboard studdingsails at 7.45. Aneroid 29.98.

C. P. Rees Lieut

8 A.M. to Meridian. Cloudy and cool with occasional light passing showers, Gentle easterly breeze. Went to quarters for inspection at 9.15. after which gave the Divisions oral instruction and exercised the signal class. Aneroid barometer 29.96.

W. W. Smith Master

Meridian to 4 P.M. Cloudy. Occasional light showers of rain. Light to moderate breeze from S.E. to E.S.E. Ship rolling easily to swell from S.E. Aneroid 29.90. Patent log at end of watch 59.

W. Cunningham-Kelley W.R. Lieut

4 to 6 P.M. Weather generally pleasant. Light passing showers in first part of watch. Barometer falling. Moderate breeze from S.S.E. Cumulus and nimbus clouds. Sea smooth. Ship steady. Distilling fresh water. At 4.45 mustered crew at quarters. Aneroid bar. 29.92

Harl Rohrer, Lieut

6 to 8 P.M. Weather cloudy and pleasant. Moderate breeze from E.S.E. Smooth sea, Barometer steady. Aneroid 29.92.

C. P. Rees Lieut

8 P.M. to Midnight. Cloudy with passing showers. Fresh breeze from S.S.E. Barometer steady. Stopped distilling. Aneroid barometer 29.96

W. W. Smith Master.

Moon's noted. Examined and found to be correct.

Dec 4 01 30 N
Phase first Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru. to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	1	West	SSE	1		30.03	76	76	71	78	bc	Cir cum Cumulo	3	S.	
2	6	6	"	"	1		30.03	76	76	71	78	"	Cumulus	1	"	
3	6	6	"	"	1		30.02	76	76	71	78	"	"	1	"	all plain sail to royals
4	6	6	"	"	1		30.02	76	76	71	78	"	"	1	"	except main sail
5	6	0	"	SE.	1		30.02	76	76	71	78	"	Cir cum	6	"	Set all port studg'ls
6	6	0	"	"	1		30.03	76	76	71	78	"	"	5	"	
7	5	5	"	"	1		30.05	76	76	71	78	"	"	3	"	
8	5	5	"	"	1		30.07	76	76	71	78	"	"	5	"	
9	6	2	"	"	1		30.09	79	77	72	78	"	"	5	"	
10	6	6	"	SxE.	1		30.11	79	77	72	78	"	"	7	"	Took in port lower studgl
11	6	1	"	SSE	1		30.10	78	77	71	78	"	"	9	"	Set main topsail
Noon.	8	0	"	"	5		30.09	78	77	71	79	"	"	9	"	

Square 25-8

S 10°01 W 90°58

Distance run by Log since preceding Noon	143 knots 2 tenths fathoms.
Latitude by D. R. at Noon	9°49'00" S
Longitude by D. R. at Noon	91°22'00" W
Latitude by Observations at Noon ⊙	9°56'00" S
Longitude by Chronometer from Forenoon Observations ⊙	91°25'00" W
Current during the time — knots — fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8 A. M Lat 10°01 S Long 90°58 W	10°50"00 E
Water expended during the preceding 24 hours	350 gallons.
Water distilled during the preceding 24 hours	1150 "
Water remaining on hand fit for use at Noon	2750 "
Coal consumed during the preceding 24 hours	3 tons 80 lbs.
Coal remaining on hand at Noon	114 " 1096 "

Square 237

P. M.															
1	7	1	W	SxE	5	30.10	78	76	71	79	bc	circum	8	M	
2	7	6	"	"	5	30.05	77	76	72	77	"	"	6	"	
3	7	1	"	"	5	30.04	77	76	73	77	"	"	5	"	Took in all sail
4	Swinging ship			"	5	30.02	77	77	74	77	"	"	6	"	
5	do.			"	1	30.05	77	77	71	78	"	"	5	S	Made all plain sail
6	5	0	W.	"	1	30.05	77	76	70	78	"	"	5	"	to royals except M sail
7	6	0	"	"	1	30.08	78	76	70	78	"	cum	7	"	Set port studgls main t'gnt
8	6	0	"	"	1	30.08	78	76	70	78	"	circum	8	"	
9	6	0	"	"	1	30.07	78	77	71	78	"	"	8	"	
10	6	0	"	"	1	30.08	78	77	71	78	"	"	6	"	
11	6	2	"	SE	1	30.06	78	77	71	78	"	"	4	"	Took in fore and aft sail
Mid.	6	2	"	"	1	30.06	78	77	71	78	"	"	6	"	Set port lower studgl

S 9°48 W 92°09

Longitude by Chronometer from Afternoon Observations ⊙	91°28'20" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by ag ⊙ at 4 P. M 9°51'5 91°53 W	10°30' " E

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, May 16th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Clear and pleasant, Moderate breeze from SSE. Smooth sea. Aneroid 29.90. Patent log at end of watch 33.

Wamsley Kellogg QMK Lieut

4 to 8 A.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Moderate breeze from SE. At 6.00 took in port studding sails and spread fire preparation to swinging ship for compass deviation, but the sun not coming out banked fires and set the studdingsails again. Aneroid bar. 29.99.

Karl Arhur RR Lieut

8 A.M to Meridian. Weather clear and pleasant, Fresh trades from S.E and E.S.E Barometer steady. Mustered at quarters at 9.15. Exercised signal class at making signals. At 9.50 took in lower studdingsail and set jib flying jib and fore topmast staysail. Set main trysail at 10.05. Steering a course West. Aneroid 29.98.

A Rees R Lieut

Meridian to 4 P.M. Pleasant weather. Fresh breeze from S by E. Moderate sea, At 3.15 took in all sail, started ahead at 3.30 and commenced swinging ship for deviation. Quarterly board of survey condemned one keg of butter and had to throw it overboard, Aneroid barometer 29.90.

W M Frum Master.

4 to 6 P.M. Clear and pleasant, Moderate breeze from S by E. Smooth sea. At 4.45 mustered at quarters. Swinging ship until 5.30. At 5.30 made all plain sail except spanker and set topgall and and topmast studding sails. Hauled fires. Aneroid 29.92. Patent log at end of watch 13 miles.

Wamsley Kellogg QMK Lieut

6 to 8 P.M. Weather clear and pleasant, Moderate breeze from S by E. Barometer steady. Clouds cumulus and cirro-cumulus. Set spanker at 6.15. Smooth sea, Ship steady. Hauled two fires under port boilers and banked two under starboard boilers. Bright moon and starlight, Aneroid barometer 29.97.

Karl Arhur RR Lieut

8 P.M to Midnight, Weather clear and pleasant, Bright moonlight, Moderate breeze from S.S and E.S. Smooth sea. Barometer steady. Took in all fore and aft sail, and set port lower studding sail at 10.35. Aneroid 29.98.

A Rees Lieut

Moon 1 mid
Dec 4 01 38 S
Phase first quarter

Examined and found to be correct.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Isl'ds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	2	W	S × E.	3		30.05	77	76	70	76	bc	cir. cumn	6	S	Plain sail to royals
2	6	0	"	"	3		30.04	77	76	70	76	"	"	6	"	except mainsail. and
3	6	2	"	"	4		30.03	77	76	70	76	"	"	8	"	all port studgls.
4	6	8	"	"	4		30.02	77	76	70	76	"	"	8	"	
5	6	11	"	S E	4		30.05	77	76	71	76	"	cir cumn & cumst.	7	"	
6	6	0	"	S S E.	4		30.08	77	75	70	77	"	"	6	"	Took in lower studg'l. Set
7	4	0	"	"	3		30.10	77	76	71	77	"	"	8	"	fore and aft sail except spanker
S 9°34'8 W	Swinging ship			"	4		30.11	77	76	71	77	"	cir cumn	8	"	Took in all sail
93°15'9	4	0	W N W.	S × E	4		30.11	77	76	71	78	"	"	5	"	Set all plain sail ex-
10	6	0	W	S S E.	4		30.11	77	76	71	78	"	cumn & cumst	6	"	cept mainsail & spanker
11	6	5	"	"	4		30.10	77	76	71	78	"	"	6	"	and all port studgls
Noon.	7	5	"	"	4		30.10	77	76	71	78	"	cir cumn	6	"	except lowers.

Distance run by Log since preceding Noon — 129 knots 4 tenths fathoms.

Latitude by D. R. at Noon — 9° 31' 00" S

Longitude by D. R. at Noon — 93° 30' W

Latitude by Observations at Noon ⊙ — 9° 29' 00" S

Longitude by Chronometer from Forenoon Observations ⊙ — 93° 31' 00" W

Current during the time — knots — fms. per hour, setting to the — —

Sunrise. Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

237 Variation of the Compass by Azimuth ⊙ observed at 8 a.m. 9°34' S 93°05' W — 10° 30' 00" E

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 90 "

Water remaining on hand fit for use at Noon — 2490 "

Coal consumed during the preceding 24 hours — 4 tons 140 lbs.

Coal remaining on hand at Noon — 110 " 956 "

P. M.															
1	6	0	W.	S × E	5		30.07	77	76	69	79	bc	cir cumn	8	"	
2	6	0	"	"	5		30.04	77	76	70	79	"	"	8	"	
3	6	2	"	"	5		30.02	77	76	70	78	"	"	8	"	Took in all sail
4	Swinging ship			"	5		30.02	77	77	72	78	"	"	8	"	
5	do.			S S E	4		30.02	78	77	71	78	"	"	8	"	
6	4	0	W.	"	3		30.02	78	76	71	78	"	"	7	"	Made all plain sail to
7	5	6	"	"	3		30.04	78	76	71	78	"	"	7	"	royals except mainsail
S 9°22 W 94°00' 8	6	0	"	"	4		30.05	78	76	71	78	"	"	8	"	not any sail & spanker Set mainsail.
9	6	0	"	"	4		30.07	78	77	71	78	"	cumulus	5	"	
10	6	0	"	"	4		30.07	78	77	71	78	"	"	5	"	
11	6	0	"	"	4		30.07	78	77	71	78	"	cir cumn	7	"	
Mid.	6	0	"	"	4		30.07	78	77	71	78	"	cumulus	5	"	same

Longitude by Chronometer from Afternoon Observations ⊙ — 93° 24' 00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by ☌ ☉ at 4 P.M. — 10° 30' E

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, May 17th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Moderate breeze from S by E. Bright moonlight and starlight. Barometer steady. Aneroid bar. 29.93

W.H. Inman Master

4 to 8 A.M. Clear and pleasant. Light to moderate breeze from S.S.E. Smooth sea. At 6.30 took in all sail, Started engines and listed ship 6° to starboard. Commenced swinging ship to port helm. Aneroid 29.98.

Wainwright Kellogg Lieut

8 A.M. to Meridian. Weather clear and pleasant, Barometer steady. Clouds cumulus. cumulo-stratus and cirro-cumulus. Moderate breeze from S by E. to S.S.E. At 8.30 finished swinging ship for compass deviation. Ship inclined to starboard. Hauled fires. uncoupled engine and put the ships on the course West under sail. Shifted the bagged coal from starboard to port side ready to swing ship in the afternoon with a port inclination. At noon ordered fires started under four forward port boilers for distilling. Cleaned bilges Aneroid barometer 29.98.

Karl Rohrer Lieut

Meridian to 4 P.M. Weather clear and pleasant. Moderate breeze from S by E. Smooth sea. Barometer steady. Steering a course West. Started fires under four port boilers at 1.00. Commenced distilling at 2.30. Shortened sail at 3.25 and started ahead under steam at 3.30. Swinging ship during remainder of watch. Aneroid at end of watch 29.89.

A Rees Lieut

4 to 6 P.M. Clear and pleasant. Moderate breeze from S.S.E. Swinging ship for deviation until 4.45. Then made sail, hauled fires. lowered smoke stacks, bent mainsail. Aneroid barometer 29.90.

W.H. Inman Master

6 to 8 P.M. Clear and pleasant, Light to moderate breeze from S.S.E. Smooth sea. Set mainsail. Moonlight, Patent log at end of watch 46.

Wainwright Kellogg 1st Lieut

8 P.M to Midnight, Weather pleasant. Moderate breeze from S.S.E. Sea smooth. Ship steady. Bright moon and starlight, Aneroid bar. 29.96.

Karl Rohrer, Lieut

Moon's mid. Examined and found to be correct.
Dec 7° 50' 87 S'
Phase First Quarter

W.H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru to Honolulu, Sandwich Isl'ds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	4	W.	S S E.	3		30.04	77	76	71	77	bc	cir cumm	6	S	Plain sail no capt
2	6	2	"	"	3		30.04	76	76	71	77	"	"	6	"	sprankey. Port studdg sls
5° 9° 09' 3	6	4	95 00 9° 09	"	3		30 03	76	76	71	77	"	"	6	"	except lower
W 95° 00 4	6	5	"	"	3		30.02	76	76	71	77	"	"	6	"	
5	6	8	"	"	4		30.02	77	76	71	77	"	"	6	"	
6	6	8	"	"	4		30.04	77	76	71	77	"	cir cumm Sound	5	"	
7	6	6	"	"	4		30.08	77	76	71	77	"	cir cumm	0	"	
S 9° 02 8	6	6	"	"	4		30.10	77	76	71	78	"	"	5	"	Same
95° 39' 9	6	6	"	"	4		30.08	77	76	71	78	"	"	7	"	
10	6	4	"	"	4		30.09	78	78	73	78	"	"	8	"	
11	6	4	"	"	4		30.09	79	78	73	78	"	"	8	"	
Noon.	7	0	"	"	4		30.10	79	78	73	78	"	"	8	"	Same

Distance run by Log since preceding Noon	139 knots 6 tenths ~~fathoms~~.
Latitude by D. R. at Noon	9° 01' 00" S
Longitude by D. R. at Noon	95° 52' 00" W
Latitude by Observations at Noon ⊙	8° 56' 00" S
Longitude by Chronometer from Forenoon Observations ⊙	96° 08' 00" W
Sgman Current during the time 0.68 knots ——— ~~fms~~. per hour, setting to the	N 71° W
236 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
236 Variation of the Compass by Azimuth ⊙ observed at 8 A.M.	10° 30' 00" E
Water expended during the preceding 24 hours	380 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	2110 "
Coal consumed during the preceding 24 hours	2 tons 470 lbs.
Coal remaining on hand at Noon	108 " 536 "

P. M.															
1	6	5	W.	S I E	4	30.04	79	78	73	78	bc	Cumulus	7	"	
2	6	5	"	"	4	30.00	77	78	72	78	"	"	7	"	
3	6	0	"	"	4	29.99	77	78	72	78	"	Cumulus Cirro	7	"	
4	6	0	"	S E x E	4	29.99	77	78	72	78	"	Cirro Cumm Strats	6	"	
5	6	4	"	"	3	30.01	77	77	74	78	"	"	6	"	Set fore lower studgsl
6	6	4	"	"	3	30.01	77	77	74	78	"	"	6	"	
7	5	6	"	"	3	30.02	78	78	74	78	"	"	5	"	
S 8° 46 W 96° 52 8	5	4	"	S I E	3	30.04	78	78	74	78	"	"	4	"	Same
9	5	4	"	"	3	30.05	78	78	74	78	"	"	1	"	
10	6	0	"	"	4	30.05	78	78	74	78	"	"	1	"	
11	6	0	"	"	4	30.05	78	78	74	78	"	"	1	"	
Mid.	5	6	"	"	4	30.05	78	78	74	78	"	"	1	"	Same

Longitude by Chronometer from Afternoon Observations ⊙	96° 06' 45" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by ☌ ☉ at 4 P.M. Lat 8° 51 S Long 96° 53' W	10° 30' 00" E

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. May 18th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM, Weather clear and pleasant, Moderate breeze from S S E. Sea smooth. Barometer steady. Steering a course West, Aneroid at end of watch 29.91.

Chas Lieut

4 to 8 AM Cloudy and pleasant, Moderate breeze from S S E. Barometer rising. Aneroid barometer 29.96.

W W Smyth Master

8 AM to Meridian. Clear and pleasant. Moderate breeze from S S E. Smooth sea. Aneroid 29.95. Patent log at end of watch 5 4 miles.

Wainwright Kellogg Lieut

Meridian to 4 PM. Weather clear and pleasant, Barometer falling. Clouds cumulus, stratus, cirro-cumulus and cumulo-stratus. Sea smooth. Ship steady. Moderate breeze from S E by E to S S E. Aneroid bar. 29.92

Hart Hoover, Lieut

4 to 6 PM. Weather clear and pleasant. Moderate breeze from S E by E. Smooth sea. Mustered at quarters at 4.45. Set fore lower studdingsail at 5.00. Steering a course West. Aneroid 29.99.

Chas Lieut

6 to 8 PM, Pleasant weather. Gentle breeze from S E by E. hauling to S S E. Barometer steady. Aneroid barometer 29.92

W W Smyth Master

8 PM to Midnight, Cloudy. Pleasant. Moderate breeze from S S E. Moderate swell from E. Obscured moonlight. Patent Log at end of watch 39 miles. Aneroid 29.94

W Cunningham Kellogg Lieut

Work

Moon's mid Examined and found to be correct.

Dec 11° 26' 25" S'

Phase. First Quarter

W. T. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Isls

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	5	W.	S S E.	3		30.04	77	77	69	77	bc	Cir cumm Cumm	2	8	Plain sail under
2	5	5	"	"	3		30.04	77	77	69	77	"	"	4	"	Fore sail, all pos
3	6	0	"	"	4		30.02	77	77	69	77	"	"	5	"	studding sails
4	6	0	"	"	4		30.00	77	77	69	77	"	"	6	"	
5	5	8	"	"	4		30.01	77	77	76	78	bcp	numb	1	"	
6	6	0	"	"	4		30.05	78	78	76	78	bc	Cir cumm	3	"	
7	5	0	"	"	4		30.08	77	77	75	77	"	"	3	"	
8	5	0	"	"	4		30.15	77	77	75	77	bcp	"	3	"	
9	5	6	"	"	3		30.15	78	78	74	77	"	Cir cumm Cumb	4	2	
10	5	8	"	E by S	3		30.13	79	78	74	77	bc	Cir cumm	5	"	Hauled up main sail Set t'gall flsl. studding
11	5	8	"	"	3		30.12	79	79	74	77	"	"	5	"	
Noon.	6	0	"	"	4		30.11	79	79	76	77	"	"	7	"	

Distance run by Log since preceding Noon 139 knots 3 ~~fathoms~~ tenths.

Latitude by D. R. at Noon 8 ° 20 ' ~~0~~ 6 "

Longitude by D. R. at Noon 98 ° 28 ' W

Latitude by Observations at Noon ⊙ 8 ° 35 ' S "

Longitude by Chronometer from Forenoon Observations ⊙ 98 ° 39 ' W "

Current during the time 0.5 knots ~~fms~~. per hour, setting to the S 60 ° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

236 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 10 ° 00 ' 00 " E

Water expended during the preceding 24 hours 360 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1790 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 108 " 236 "

P. M.															
1	5	4	W.	S S E	3		30.09	79	79	76	79	bc	Cir cumm	6	2	Took in Mizn t'gall stsl
2	5	2	"	"	3		30.07	80	80	75	79	"	"	5	"	
3	5	4	"	"	3		30.05	80	80	75	79	"	"	5	"	
4	5	4	"	"	3		30.03	80	81	75	79	"	"	5	"	
5	5	0	"	S by E.	3		30.00	79	80	74	79	"	Cumm	7	Mb	
6	5	6	"	"	3		30.00	79	80	74	79	"	Cum str	6	"	
7	5	2	"	"	4		30.00	79	80	74	79	"	"	6	"	
8	6	2	"	"	4		30.03	79	80	74	79	"	"	6	"	
9	6	6	"	"	4		30.08	79	79	74	79	"	Cir cumm	6	2	
10	6	6	"	"	4		30.09	79	79	74	79	"	"	6	"	
11	6	6	"	"	4		30.09	79	79	74	79	"	"	2	"	
Mid.	7	0	"	"	4		30.09	79	79	74	79	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ 98 ° 39 ' 00 " W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by Aj ⊙ at 4 P.m. 8°31S 99°01 W 10 ° 00 ' 00 "

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, May 19th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Gentle to moderate breze from S.S.E. Barometer falling slowly. Cumulus and cirro cumulus clouds. Sea smooth, an occas wind & long roller from S and Ed. Aneroid barometer 29.92.

Carl Rohrer Lieut

4 to 8 A.M. Weather cloudy and pleasant. Moderate breeze from E.S.E. Long swell. Barometer rising. Aneroid 29.98. Steering a course West.

Chas Lieut

8 A.M. to Meridian. Cloudy and pleasant, passing showers first hour. Moderate breze from E.S.E. hauling to Eby S. Went to quarters for inspection at 9.15. Hauled up mainsail and set starboard fore topmast studdingsail at 10oc. Aneroid barometer 29.94.

W.W. Gamble Master

Meridian to 4 P.M. Clear and warm. Moderate breeze from E.S.E. Long swell from S.E. Ship rolling 8° to 17°. Patent log at end of watch 16 miles. Aneroid 29.88.

Wainwright Kellogg

Lieut

4 to 8 P.M. Weather clear and pleasant. Barometer falling. Clouds cumulus and cumulo-stratus. Ship rolling easily to a moderate swell from Sd and Ed. Gentle breze from E by S. Aneroid bar. 29.90

Carl Rohrer, Lieut

6 to 8 P.M. Weather clear and pleasant. Moderate breze from E by S. Long swell. Barometer steady. Bright moonlight. Aneroid 29.91

Chas Lieut

8 P.M. to Midnight, Pleasant weather, moderate breze from S by E. Barometer steady. Aneroid barometer 29.94. Ship rolling deeply.

W.W. Gamble Master

Moon's mid Dec 14 32 37 S
Phase first quarter

Examined and found to be correct.

W. H. H. Carter
Lieut & Navigator.

LOG of the UNITED STATES *Steamer "Essex"*, 3d Rate, 6 Guns,

Making passage from Callao Peru to Honolulu Sandwich Isles

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	W.	E by S	5		30.07	79	79	74	79	bo	cir cumm	3	S	Plain sail & sight
2	6	8	"	"	5		30.05	79	79	74	79	"	"	2	"	Hy jib S S Stayl & spanker
3	7	2	"	"	5		30.03	79	79	74	79	"	"	2	"	All port studdingsail
4	7	0	"	"	5		30.01	79	79	74	79	"	"	1	"	
5	7	0	"	E S E.	4		30.00	78	79	74	79	"	cir cumm Cumm	4	"	Plain sail to royals
6	7	0	"	"	4		30.00	78	79	74	79	"	"	4	"	except mains'l. Hy. jib
7	6	5	"	"	4		30.05	79	79	74	79	"	cir cumm Strat.	3	"	S'l'opt stay'l & spanker
8	6	5	"	"	4		30.08	79	79	74	79	"	"	3	"	All port studdingsails
9	6	5	"	"	4		30. 13	79	79	75	79	"	"	8	"	
10	7	0	"	"	4		30. 12	79	79	75	79	"	"	8	"	
11	7	0	"	East	5		30. 13	79	81	76	78	"	"	8	"	
Noon.	7	4	"	"	5		30. 10	79	82	76	78	"	"	8	"	Set stb'd studdingsails

Distance run by Log since preceding Noon	153 knots / tenths fathoms.
Latitude by D. R. at Noon	8° 09' 00" S
Longitude by D. R. at Noon	101° 10' 00" W
Latitude by Observations at Noon ⊙	8° 13' 00" S
Longitude by Chronometer from Forenoon Observations ⊙	101° 18' 00" W
Current during the time 0.38 knots ~~fms~~. per hour, setting to the	S 63° W
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at 8. a. m.	10° 00' 00" E
Water expended during the preceding 24 hours	350 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	11440 "
Coal consumed during the preceding 24 hours	tons 300 lbs.
Coal remaining on hand at Noon	107 " 2176 "

P. M.															
1	6	0	W.	East	4		30.09	80	83	76	80	bo	cir cumm	8	L	
2	5	0	"	"	4		30.07	80	83	76	80	"	"	9	"	
3	5	4	"	E by S	4		30.04	80	83	76	80	"	"	9	"	Took in stb'd Stay'l. Set
4	5	4	"	"	4		30.02	80	81	75	80	"	"	6	"	Reefed Hy of mains'l
5	6	4	"	"	4		30.00	80	81	75	80	"	"	4	"	
6	5	4	"	"	4		30.02	80	81	75	80	"	cir cumm strat.	4	"	
7	6	0	"	E S E.	4		30.04	80	80	75	80	"	Cir cumm	7	"	
8	6	0	"	"	4		30.06	80	80	75	80	"	"	6	"	
9	6	0	"	East	4		30.10	79	79	74	78	"	"	6	"	
10	6	4	"	"	4		30.10	79	79	74	78	"	"	3	"	
11	6	2	"	"	4		30.10	78	79	74	79	"	"	3	"	
Mid.	6	0	"	"	4		30.10	78	79	74	79	"	"	3	"	Same

Longitude by Chronometer from Afternoon Observations ⊙	101° 20' 00" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by ☌ ☉ Lat^de 8° 08' S Long 101° 44 W	9° 00' 00" E

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, May 20th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Cloudy. Pleasant, Moderate breeze from Eby S. Long swell from S E. Ship rolling 8° to 18°. Patent log at end of watch 91/2 miles. Obscured moonlight. Aneroid 29.90.

Wainwright Kellogg Lieut

4 to 8 A.M. Weather pleasant. Moderate breeze from E by E. Barometer rising. Clouds cirro-cumulus, cumulus and stratus. Ship rolling heavily to swell from S by and Ed. Aneroid barometer 29.96.

Hal Rohrer USR Lieut

8 A.M. to Meridian. Weather clear and warm. Fresh breeze from E by S. Long swell. Barometer steady. Mustered at quarters at 9.15. the Commanding Officer inspected the ships. Set all starboard studdingsails at 10.50. Aneroid 29.94. By order of Comdg Officer Ensign H. D. Dunn was released from suspension.

A. Rhoades USR Lieut

Meridian to 4 P.M. Clear and warm. Moderate breeze from East and E by S. Long swell. Course West. At 3.00 took in starboard studgils and set lee clew of mainsail.

H. D. Dunn. Ensign

4 to 6 P.M. Clear and warm. Moderate breeze from E by S. Long moderate swell from S E. Patent log 80 m. Aneroid 29.80.

Wainwright Kellogg USN Lieut

6 to 8 P.M. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Moderate breeze from S S E. Ship rolling to a long swell from S by and Ed. Bright moon and starlight. Aneroid bar. 29.92

Hal Rohrer USR Lieut

8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight. Moderate bridge from S by. Barometer steady. Aneroid at end of watch 29.94.

A. Rhoades USR Lieut

Examined and found to be correct.

Moon's mid
Dec 17° 02' 30 S.
Phase first Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" ; 3d Rate, 6 Guns,

Making passage from Callao. Peru. to Honolulu. Sandwich Isles

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	2	West	E+S	4		30.09	79	79	74	79	bc	Cirrus	5	S	All square sail and
2	5	0	"	"	4		30.08	79	79	74	79	"	"	5	"	jib and port studgls
3	5	4	"	"	4		30.08	79	79	74	79	"	"	5	"	
4	6	0	"	"	4		30.08	79	79	74	79	"	"	5	"	
5	5	4	"	E S E	4		30.06	78	79	72	79	bcr	Cumuli	3	"	Took in port lower studg
6	5	0	"	"	3		30.05	78	79	74	79	bc	Circus	2	"	
7	5	4	"	E.	3		30.07	78	79	74	79	"	"	4	"	Set port lower studg
5 7°37 8	6	0	"	"	4		30.09	78	79	74	79	"	"	4	"	Hove up mains'l
W 103 20 9	5	5	"	E + S	3		30.09	80	79	74	79	"	Cumuli Circus	5	"	
10	5	5	"	"	3		30.10	80	80	76	79	"	"	6	"	
11	5	0	"	"	3		30.10	80	80	76	79	"	"	6	"	
Noon.	6	0	"	"	3		30.07	80	80	76	79	"	"	5	"	

Distance run by Log since preceding Noon — 134 knots 0 ~~fathoms.~~

Latitude by D. R. at Noon — 7° 53' 00" S

Longitude by D. R. at Noon — 103° 32' 00" W

Latitude by Observations at Noon ⊙ — 7° 54' 00" S

Longitude by Chronometer from Forenoon Observations ⊙ — 103° 44' 00" W

Current during the time 5 knots fms. per hour, setting to the — West

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

235 Variation of the Compass by Azimuth ⊙ observed at 8 a. m. — 8° 30' 00" E

Water expended during the preceding 24 hours — 940 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1100 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 107 " 1876 "

P. M.															
1	5	7	West	E + S	4		30.07	80	82	76	79	bc	Cirrus	5	S	
2	5	9	W/NW	"	4		30.07	80	82	76	79	"	"	5	"	Set stbd Studgls
3	5	8	"	"	4		30.03	80	82	76	79	"	"	7	"	
4	5	8	"	"	4		30.00	79	82	76	79	"	"	8	"	
5	6	0	"	"	4		30.00	79	81	76	79	"	"	7	S	Took in stbd studgls
6	5	8	"	"	4		30.00	79	80	75	79	"	Cumulus	7	"	
7	6	4	"	"	4		30.00	79	80	75	79	"	Cirrus	8	"	
5 87°43 8	6	6	"	"	4		30.02	80	79	75	79	"	"	8	"	
W 104°34' 9	7	0	"	E S E	4		30.06	80	79	75	79	"	Cumu	4	"	
10	7	0	"	E + S	4		30.06	80	79	75	79	"	"	5	"	Set square sail main
11	6	5	"	E S E	4		30.06	79	79	75	79	"	"	5	"	mains'l. port studg
5° 7°37' Mid.	6	5	"	"	4		30.06	79	79	75	79	"	"	4	"	
W 105°01'																

Longitude by Chronometer from Afternoon Observations ⊙ — 103° 42' 00" S

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by Az 0 at 4 P. M. — 8° 00' 00" E

under the command of Commander A. H. McCormick, U. S. Navy;

Monday, May 21st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather. bright moonlight, Moderate breeze from E by S. Ship rolling duply. Aneroid barometer 29.90.

W H Emmons Master

4 to 8 A.M. Cloudy greater part of watch, with light showers of rain at 5.30 light to moderate breze variable in direction from E S E to East, Aneroid 29.96. Patent log 56 ½.

Wainwright Kellogg 1st Lieut

8 A.M to Meridian. Weather clear and pleasant, Barometer rising. Cumulus, and cirro-cumulus clouds. Gentle breeze from E by S. At 9.18 went to general quarters and exercised. Shifted main topsail to mend it. Smooth sea. Ship steady. Aneroid barometer 29.90.

Karl Rohrer 2d Lieut

Meridian to 4 P.M. Weather clear, and warm. Moderate breeze from E by S. Barometer falling. Aneroid 29.86, at end of watch. At 1.00 changed course from West to W ½ N. Long swell. At 1.18 set all the starboard Studgl's

H. V. D. Emmons Ensign.

4 to 6 P.M. Clear, and pleasant, Moderate breeze from E by S. Went to quarters for inspection at 4.45. At 4.50 called all hands and shifted main topsail. Aneroid barometer at the close 29.85. At 5.45 took in starboard studdingsails.

W H Emmons Master

6 to 8. P.M. Clear and pleasant. Moderate breeze from E by S. Moderate swell from S E. Patent log 28 ½. Aneroid 29.88.

Wainwright Kellogg 1st Lieut

8 P.M to Midnight. Weather clear and pleasant. Moderate breeze from E by S to E S E. Barometer steady. Cumulus clouds. Smoothsea. Bright moon, and starlight. Aneroid barometer 29.92.

Karl Rohrer 2d Lieut

Moon's mid Examined and found to be correct.

Dec 18° 50'. 49 S

Phase Full Moon

W. H. Parker Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	11	W ½ N	E by S	5		30.03	78	79	75	79	bc	cicumm	5	L	Square sail except
2	7	6	"	"	5		30.02	78	79	75	79	"	"	5	"	mainsail, jib and all
3	8	0	"	"	5		30.02	78	79	75	79	bcp	"	3	"	port studgls. Set all
4	8	0	"	"	5		30.00	78	79	75	79	bc	"	5	"	stb'd studgls
5	7	11	"	"	5		30.02	78	79	75	79	"	"	5	"	
6	7	11	"	"	5		30.02	78	79	75	79	"	"	5	"	
7	7	11	"	"	5		30.02	79	79	75	79	"	"	5	"	
7°27' S 8	7	2	"	"	5		30.05	81	79	75	79	"	"	6	"	
W 106°05 9	7	2	"	"	5		30.07	82	80	76	79	"	"	5	"	
10	7	2	"	"	5		30.07	82	81	76	79	"	"	6	"	
11	7	2	"	"	5		30.08	82	81	76	79	"	"	8	"	
Noon.	8	0	"	"	5		30.08	82	81	76	80	"	"	3	"	

Distance run by Log since preceding Noon — 165 knots 0 fathoms.

Latitude by D. R. at Noon — 7° 16' 21" S

Longitude by D. R. at Noon — 106° 20' 00" W

Latitude by Observations at Noon ⊙ — 7° 21' 03" S

Longitude by Chronometer from Forenoon Observations ⊙ — 101° 31' 00" W

Current during the time .5 knots fms. per hour, setting to the — S 70° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

234 Variation of the Compass by Azimuth ⊙ observed at 8 A.M. — 7° 57' 10" E

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 750. "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 107 " 1576 "

P. M.															
1	7	0	W ½ N	E by S	5		30.04	80	81	76	80	bc	cicumm	8	L
2	6	8	W by N	"	4		30.00	79	81	76	80	"	"	8	"
3	6	8	"	"	4		30.00	79	81	76	80	"	"	6	"
4	6	6	"	"	4		29.98	79	81	76	80	"	"	2	"
5	6	6	"	"	4		30.00	79	80	76	79	"	"	3	"
6	6	6	"	"	4		30.00	79	80	76	79	"	"	4	"
7	6	4	"	"	4		29.98	79	80	77	79	"	"	6	"
7°03' 8 S 107°22 W 8	6	2	"	"	4		30.00	79	80	77	79	"	"	8	"
9	7	0	"	"	5		30.01	79	80	77	79	"	"	8	"
10	7	2	"	"	5		30.03	79	80	77	79	"	"	3	"
11	7	2	"	"	5		30.03	79	80	77	79	"	"	3	"
Mid.	7	0	"	"	5		30.08	79	80	77	79	"	"	3	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander A. H. McCormick, U. S. Navy;

Tuesday, May 22d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant Fresh trades from E by S. Long swell. Barometer steady. Bright moonlight. Set all Stbd studg'ls at 12.10. Aneroid at end of watch 29.87

R. Rose Lieut.

4 to 8 A.M. Pleasant weather. Fresh breeze from E by S. Barometer steady. Aneroid barometer at the close 29.90.

W. H. Simms Master

8 A.M. to Meridian. Clear and warm. Moderate breeze from E by S. Moderate sea. Ship rolling from S to B. At 9.10 called all hands & rally at mainmast. At 9.15 mustered at quarters. Exercised calling away boarders and rifle men. Aneroid 29.92. Patent log 37 3/4.

Wainwright Kellogg 1st Lieut

Meridian to 4 P.M. Clear and warm. Cloudy last part of watch. Stiff to moderate breeze from E by S. Barometer falling. Ship rolling easily to Long swell from S.E. At 1.00 changed course from N. 5 W. to N by W. by N. Aneroid barometer 29.84.

H. O. Dunn Ensign.

4 to 6 P.M. Weather clear and pleasant. Moderate breeze from E by S. Barometer steady. Mustered at quarters at 4.45. Shifted main topsail at 5.00. Aneroid at end of watch 29.84.

R. Rose Lieut

6 to 8 P.M. Clear and pleasant, Moderate breeze from E by S. Moon rose at 6.46. Aneroid barometer 29.88.

W. H. Simms Master

8 P.M. to Midnight. Clear and pleasant, Moderate breeze from E by S. Moderate swell from S.E. Moonlight, Aneroid 29.90.

W. Wainwright Kellogg 1st Lieut

Moon's mid Dec 19° 43' 00 S' Phase Full moon

Examined and found to be correct.

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	Wby N.	S.S.E	4		30.02	79	79	78	79	bc	Cumu	2	S	
2	5	6	"	S Eby E.	3		30.00	79	79	78	79	"	"	6	"	Square sail exceptmaintop
3	6	0	"	"	4		30.00	79	79	78	79	"	"	5	"	Close y mainsail. jib
4	5	0	"	"	3		30.00	78	78	77	79	"	"	4	"	and port studgls
5	5	0	"	"	3		30.01	78	78	74	78	"	"	5	"	
6	5	0	"	"	4		30.06	78	78	74	78	"	"	6	"	
7	5	6	"	"	4		30.07	80	78	75	79	"	"	8	"	
5 6°45 2w 8	6	2	"	"	4		30.10	79	78	75	79	"	"	8	"	
108°40' 9	6	4	"	"	4		30.10	80	80	75	79	"	Cir Cumu	7	"	
10	6	4	"		4		30.10	80	80	76	79	"	"	6	"	
11	6	6	"	Eby S.	4		30.10	80	81	76	79	"	"	6	"	Set aft studgls
Noon.	6	6	"	"	4		30.08	80	82	76	79	"	"	7	"	Furled mainsail

Distance run by Log since preceding Noon	147 knots /	Knots fathoms.
Latitude by D. R. at Noon	6 ° 37 ' 15 "	S'
Longitude by D. R. at Noon	108 ° 57 ' 00 "	W
Latitude by Observations at Noon ⊙	6 ° 37 ' 25 "	S'
Longitude by Chronometer from Forenoon Observations ⊙	109 ° 06 ' 00 "	W
Current during the time 11.38 knots — fms. per hour, setting to the	West	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
234 Variation of the Compass by Azimuth ⊙ observed at 8. a. m.	7 ° 30 ' 00 "	E
Water expended during the preceding 24 hours	300 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1150 "	
Coal consumed during the preceding 24 hours	tons 1100 lbs.	
Coal remaining on hand at Noon	107 " 1456 "	

P. M.															
1	6	0	Wby N.	Eby S	4	30.06	80	83	77	79	bc	Cir Cumu	7	S	
2	5	6	"	"	4	30.04	81	83	77	79	"	"	9	"	
3	5	4	"	"	4	30.02	81	83	77	79	"	"	5	"	
4	Swinging ship			"	4	30.00	80	81	76	79	"	"	5	"	Took in sail.
5	1	0	S E	E S E	4	29.98	80	81	76	79	"	Cumu	8	"	Set all square sail
6	4	0	Wby N.	"	3	29.98	80	81	76	79	"	"	5	"	exceptmainsail. All
7	5	2	"	Eby S	3	29.98	80	81	76	79	"	"	8	"	studgls. both sides
5 6°28 W 8 109°35' 9	5	6	"	"	3	29.98	80	81	76	79	"	"	8	"	
	5	6	"	"	3	30.04	80	81	76	79	"	Cir Cumu	8	"	
10	5	2	"	"	3	30.08	80	80	76	79	"	"	8	"	
11	5	2	"	"	3	30.06	79	80	75	79	"	"	8	"	
Mid.	5	6	"	"	3	30.08	79	80	75	79	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	109 ° 08 ' 00 "	W
Longitude by Chronometer from Observations *	° ' "	
Variation of the Compass by Amplitude observed at sunset	° ' "	
Variation of the Compass by Az ⊙ at Lat 6° 32' S' Long 109° 21 W	7 ° 30 ' 00 "	E

under the command of Commander A. H. McCormick, U. S. Navy;

Wednesday, May 23d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M. Weather clear and pleasant, Barometer falling slowly Cumulus clouds. Gentle to moderate breeze from E.S.E. to S.E by S. Sea smooth. At 2.00 took in starboard studdingsails set jib and let clew of mainsail bracing up a little by the starboard braces. Aneroid barometer 29.90.

Harl Rowe Lieut

4 to 8 AM Weather clear and pleasant. Moderate breeze from S.E by E. Smooth sea. Barometer rising. Aneroid 29.93.

[redacted] Lieut

8 A.M to Meridian, Clear and pleasant, Moderate breeze from E.S.E hauling to E by S. At 9.15 went to quarters and inspected and aired bedding. Exercised signal class. Exercised 3d division and a portion of 2d division at Gatling gun. At 10.00 laid the yards square, set the studdingsails, furled mainsail and put over on the main yard. Aneroid barometer 29.93.

W. M. Simm Master

Meridian to 4 PM. Clear and hot. Moderate breeze from E by S. Moderate sea, Ship rolling easily 6° to 8° to swell from S.E. At 3.30 took in all sail and got under way under four boilers. Swinging ship remainder of watch, Aneroid 29.84.

W. Winningham Lieut

WTL

4 to 6 PM. Weather clear and pleasant. Gentle to moderate breeze from S.S.E. Barometer falling. Cumulus clouds. Swinging ship for compass deviation until 5.18. having finished made sail and uncoupled the propellors. Commenced distilling fresh water at 5.45. Mustered crew at quarters at 4.45. Aneroid barometer 29.86.

Harl Rowe Lieut

6 to 8 PM. Weather clear and pleasant. Gentle breeze from E by S. Smooth sea. Barometer steady. Distilling. Aneroid 29.90.

[redacted] Lieut

8 PM to Midnight, Pleasant weather. Bright moonlight, Gentle breeze from E by S. Distilling fresh water. Aneroid barometer 29.90.

W. M. Simm Master

Moon's semi Dec 19° 38' 25" S' Phase Full Moon

Examined and found to be correct.

W. H. Barthe
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru to Honolulu. Sandwich Islands

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
S 6°21 W 110°03	A. M.																
	1	6	0	WbyN.	EbyS.	3		30.06	79	79	75	79	bc	Cir.cum	7	S	All square sail on
	2	5	4	"	"	3		30.05	79	79	75	79	"	"	7	"	main sail, all studg
	3	5	2	"	"	3		30.03	79	79	76	79	"	"	7	"	
	4	5	6	"	"	3		30.03	79	79	75	79	"	"	7	"	
	5	5	5	"	East	3		30.00	78	80	75	79	"	Cumr	8	"	
	6	5	5	"	"	3		30.00	78	78	75	79	"	cumr strat	8	"	
	7	1 0		SW	"	4		30.02	78	78	76	79	"	"	7	"	
S 6°11' W 110°39'	8	1	0	NE	"	4		30.02	78	78	76	79	"	Cir cum Cum	6	"	Took in all sail
	9	3	0	WbyN.	"	4		30.10	80	80	76	79	"	"	7	"	
	10	6	0	"	"	4		30.11	80	80	76	79	"	"	8	"	Set all square sail
	11	5	8	"	"	4		30.08	80	80	76	79	"	"	8	"	except main sail
	Noon.	6	4	"	"	4		30.10	80	80	76	79	"	"	8	"	

Distance run by Log since preceding Noon — 114 knots 6 ~~fathoms~~ tenths

Latitude by D. R. at Noon — 6 ° 04 '07" S

Longitude by D. R. at Noon — 110 ° 55 '45" W

Latitude by Observations at Noon ⊙ — 6 ° 07 '09" S

Longitude by Chronometer from Forenoon Observations ⊙ — 110 ° 59 '15" W

Current during the time knots fms. per hour, setting to the — ?

233 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. — 7 ° 00 '00" E

Water expended during the preceding 24 hours — 350 gallons.

Water distilled during the preceding 24 hours — 2100 "

Water remaining on hand fit for use at Noon — 22250 "

Coal consumed during the preceding 24 hours — 5 tons 900 lbs.

Coal remaining on hand at Noon — 101 " 1796 "

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	P. M.																
	1	5	8	WbyN.	EbyS	3		30.08	80	82	76	79	bc	Cir.cum	7	S	
	2	5	4	"	"	3		30.05	80	82	77	79	"	"	7	"	
	3	4	8	"	"	3		30.02	80	82	77	79	"	"	7	"	
	4	4	8	"	"	3		30.00	80	82	76	79	"	"	8	"	
	5	5	0	"	"	3		30.00	80	81	76	79	"	"	6	"	
	6	5	4	"	"	3		30.02	80	81	76	79	"	"	6	"	
	7	5	0	"	East	3		30.04	80	81	75	79	"	"	9	"	
S 5°34' W 111°38'	8	5	0	"	"	3		30.06	80	81	76	79	"	"	8	"	
	9	4	8	"	"	3		30.04	79	80	75	79	"	"	8	"	
	10	5	0	"	"	4		30.04	79	79	74	79	"	"	8	"	
	11	5	2	"	"	4		30.04	79	79	74	79	"	"	8	"	
	Mid.	5	4	"	"	4		30.05	78	79	74	79	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — 110 ° 59 '00" W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by ~~Az~~ ⊙ — 7 °00 'E"

Lat. 6°00'S Long 111°19'W

under the command of Commander A. H. McComick, U. S. Navy;

Thursday, May 24th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Moderate swell from E by S. Smooth sea. Moonlight, Aneroid 29.88. Distilling.

W. Winningham Kellogg 2nd Lieut

4 to 8 A.M. Weather clear and pleasant. Barometer steady. Gentle to moderate breeze from E. Cumulus, cirro-cumulus and strato clouds. At 6.05 spread fires, took in all sail and coupled propellor. At 6.20 stopped distilling and went ahead under steam. Commenced swinging ship for compass deviation at 6.25 and continued to do so the remainder of the watch. Aneroid barometer 29.92.

Karl Rohrer Lieut

8 A.M. to Meridian Weather clear and warm. Gentle breeze from E^d. Smooth sea. Finished swinging ship at 8.30. made all square sail to royals except mainsail, and set all studding sails. Exercised at fire quarters at 9.15. Hauled fires under two boilers and kept steam in two for distilling. Aneroid at end of watch 29.91.

Chas Parker Lieut

Meridian to 4 P.M. Clear and warm. Gentle breeze from E by S. Barometer falling. Distilling fresh water. Aneroid barometer 29.86.

W. W. Dunn Master

4 P.M. to 6 P.M. Clear and pleasant. Moderate breeze from E by S. Smooth sea. At 4.45 mustered at quarters. Aneroid 29.90. Distilling

W. Winningham Kellogg 2nd Lieut

6 to 8 P.M. Weather clear and pleasant. Barometer rising. Cirro-cumulus clouds. At 6.45 stopped distilling and hauled fires. Sea smooth. Ship steady. Aneroid barometer 29.90.

Karl Rohrer KR Lieut

8 P.M. to Midnight, Weather clear and pleasant. Moderate breeze from E^d. Smooth sea. Barometer steady. Aneroid at end of watch 29.92

Chas P. Lieut

Moon's mid Examined and found to be correct.

Dec 18° 35' 58" S

Phase Full Moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 38 Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islands

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	4	W by N	E by S	3		30.06	79	78	74	79	bc	cir cumu	7	8	All plain sail and studd'ls except mainsail
2	6	4	"	"	3		30.06	79	78	74	79	"	"	8	.	
3	6	5	"	"	3		30.06	79	78	74	79	"	"	8	"	
4	6	5	"	"	3		30.06	79	79	75	79	"	"	7	"	
5	5	4	"	"	3		30.04	79	79	76	79	"	"	5	"	
6	5	4	"	"	3		30.02	79	79	76	79	"	"	3	"	
7	5	2	"	"	3		30.04	79	79	76	79	"	"	8	"	
5° 36' W 8	5	2	"	"	3		30.06	79	79	75	79	"	"	8	"	
112° 47' 9	5	0	"	East	3		30.10	79	79	76	79	"	"	9	"	
10	5	5	"	"	4		30.10	80	80	75	79	"	"	8	"	
11	5	5	"	"	4		30.08	80	80	75	79	"	"	8	"	
Noon.	6	0	"	"	4		30.08	80	80	76	79	"	"	8	"	

Distance run by Log since preceding Noon — 126 knots 6 tenths ~~fathoms.~~

Latitude by D. R. at Noon — 5 ° 25 ' 57 " S

Longitude by D. R. at Noon — 113 ° 00 ' 00 " W

Latitude by Observations at Noon ⊙ — 5 ° 29 ' 15 " S

Longitude by Chronometer from Forenoon Observations ⊙ — 113 ° 08 ' 00 " W

233 Current during the time 0. 37 knots — ~~fms.~~ per hour, setting to the — S 69° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8. a. m. — 6° 30' E

Water expended during the preceding 24 hours — 300 gallons.

Water distilled during the preceding 24 hours — 800 "

Water remaining on hand fit for use at Noon — 2750 "

Coal consumed during the preceding 24 hours — tons 1900 lbs.

Coal remaining on hand at Noon — 100 " 2136 "

P. M.															
1	5	6	W by N.	East	4		30.10	79	81	76	80	bc	cir cumu	8	8
2	5	6	"	"	4		30.06	79	81	76	80	"	"	8	"
3	5	6	"	"	4		30.06	79	80	74	80	"	"	6	"
4	5	6	"	"	4		30.06	79	80	74	80	"	"	6	"
5	5	2	"	E by S	3		30.03	79	80	74	80	"	"	8	"
6	5	4	"	"	3		30.02	79	79	74	80	"	cumulus	8	"
7	6	0	"	"	4		30.02	79	79	74	80	"	"	8	"
5° 15' W 8	6	0	"	"	4		30.05	79	79	74	80	"	"	8	"
113 53' 9	6	5	"	"	4		30.05	79	79	74	80	"	cir cumu	8	"
10	6	5	"	"	4		30.08	79	79	74	80	"	cumu	7	"
11	6	5	"	"	4		30.08	79	79	74	80	"	cum clus	7	"
Mid.	6	6	"	"	4		30.08	79	79	74	80	"	cumu	6	"

Longitude by Chronometer from Afternoon Observations ⊙ — 113 ° 10 ' 00 " W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at sunset — ° ' "

Variation of the Compass by Ag 0 at lat 5° 27' S long 113° 21' W — 6 ° 30 ' E"

under the command of Commander A. H. McCormick, U. S. Navy,

Friday. May 25th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, bright moonlight. Moderate breeze from E by S. Aneroid barometer 29.88.

W.W. Smith Master

4 to 8 A.M. Clear and hot, Moderate breeze from E by S. Smooth sea Aneroid 29.84.

Warren Lee Keeler
U.S.N. Lieut-

8 A.M to Meridian. Weather clear and pleasant, Gentle to moderate breeze from E. Cirro-cumulus clouds. Sea smooth. Ship steady. At 9.15 mustered and inspected crew at quarters. Exercised 1st, 2d and 3d divisions at great guns. Watch employed in scraping spars. squaring rattlins and preparing boats for painting. Aneroid barometer 29.93.

Karl Rohrer, USN Lieut

Meridian to 4 P.M. Clear pleasant weather. Moderate breeze from East. Barometer falling slowly. Ship under all plain sail with studding sails both sides. Course W by N. Smooth sea. Aneroid barometer 29.84

H.T. Mimms Ensign.

4 to 6. P.M. Pleasant weather, Gentle breeze from E by S. Went to quarters at 4.45. Shifted main topsail at 4.50. Aneroid barometer 29.85

W.W. Smith Master

6 to 8 P.M. Clear and pleasant, Moderate breeze from E by S. Smooth sea, Aneroid 29.91.

Warren Lee Keeler
U.S.N. Lieut-

8 P.M to Midnight, Weather clear and pleasant. Barometer steady. Cumulus, cirro-cumulus and cumulo-stratus clouds. Moderate breeze from E by S. Moon rose about 9.20. Aneroid barometer 29.92.

Karl Rohrer, USN Lieut-

Moon 1 mid
Dec
Phase

Examined and found to be correct.

W.S. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru to Honolulu, Sandwich Isles

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.																
	1	6	8	W by N	East	4		30.08	79	79	73	79	bc	cir cumo	8	8	All square sail except
5 5°00	2	6	6	"	"	4		30.05	79	79	73	79	"	"	8	"	main sail, all studg's
114°38' W	3	6	6	"	"	4		30.05	78	79	73	79	"	"	8	"	
2/3	4	6	8	"	"	4		30.06	78	78	73	79	"	"	8	"	
5' H 58	5	6	8	"	E by S.	4		30.07	78	78	73	79	"	"	7	"	
W 114°57'	6	6	4	"	"	4		30.08	79	78	73	79	"	cir cumu strat	7	"	
	7	6	6	"	"	4		30.09	81	78	73	79	"	cir cumo	8	"	
S' 4°48' W	8	6	6	"	"	4		30.10	81	79	74	80	"	"	8	"	
115°16'	9	6	8	"	"	4		30.10	80	79	75	80	"	cir cumo nimb	3	"	
	10	6	8	"	"	4		30.10	80	79	75	80	"	cir cumo	7	"	
	11	6	8	"	"	4		30.10	80	80	75	80	"	"	7	"	
	Noon.	8	0	"	"	4		30.10	80	82	76	80	"	"	7	"	

Distance run by Log since preceding Noon 152 knots 2 ~~fathoms~~ Tenths.

Latitude by D. R. at Noon 4°42'15" S'

Longitude by D. R. at Noon 115°34'10" W

Latitude by Observations at Noon ⊙ 4°39'09" S'

Longitude by Chronometer from Forenoon Observations ⊙ 115°43'00" W

Current during the time 0.41 knots ~~fms.~~ per hour, setting to the N 72° W

Squan Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

2 1/2 Variation of the Compass by Azimuth ⊙ observed at 8 a.m. 6°00'10" E

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2450 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 100 " 1836 "

	P. M.															
	1	6	8	W by N.	S by E	4	30.06	79	82	75	80	bc	cir cumo	5	8	
	2	6	8	"	"	4	30.04	79	82	75	80	"	"	5	"	
	3	6	2	"	"	4	30.02	79	81	75	80	"	"	5	"	
	4	6	4	"	"	4	30.02	79	81	75	80	"	"	5	"	
	5	6	2	"	East	4	30.04	79	80	74	80	"	"	7	"	
	6	8	6	"	"	4	30.06	79	79	74	80	"	"	6	"	
	7	6	0	"	"	4	30.05	79	79	76	80	"	"	8	"	
S 4°24' W	8	6	2	"	"	4	30.05	79	79	75	80	"	"	8	"	
117°46'	9	6	4	"	"	4	30.05	79	79	76	80	b	—	10	"	
	10	6	6	"	"	4	30.05	79	79	76	80	bc	cir cumo	8	"	
	11	6	6	"	"	4	30.05	79	79	76	80	"	"	0	"	
	Mid.	6	4	"	"	4	30.05	79	79	76	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ 115°44'15" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by ag O at lat 4°30' S long 116°10 5°30'00" E

under the command of Commander A. K. McCormick, U. S. Navy,

Saturday. May 26th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Moderate breeze from E^d., Smooth sea. Barometer steady. Aneroid 29.91.

E. Rhea Lieut

4 to 8 A.M. Pleasant weather. Moderate breeze from E by S. Long swell from S^d. Barometer rising slowly. Aneroid barometer 29.94

W. W. Brown Master

8 A.M. to Meridian. Clear and warm. Moderate freshening breeze from E by S. Smooth sea. At 9.15 mustered at quarters. Aneroid 29.92

Wainwright Kellogg Lieut

Meridian to 4 P.M. Weather clear and pleasant. Moderate breeze from E by S. Barometer falling slowly. Smooth sea. Ship under all square sail except main sail. with studdingsails both sides. Course W by N. Aneroid barometer 29.86, at end of watch.

H. O. Dunn Ensign

4 to 6 P.M. Weather clear and pleasant. Moderate breeze from E^d. Smooth sea. Barometer steady. Mustered at quarters at 4.45. Steering a course W by N. Aneroid 29.88.

E. Rhea Lieut

6 to 8 P.M. Pleasant weather. bright starlight, Moderate easterly breeze. Barometer steady. Aneroid barometer at the close of watch 29.87

W. W. Brown Master

8 P.M. to Midnight. Clear and pleasant, Moderate breeze from East. Moderate swell from S E. Moon arose at 10.00. Aneroid 29.90.

Wainwright Kellogg Lieut

Moon 1 mid
Dec 13 43 59 S'
Phase Full Moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	W by N.	S & E	4		30.02	79	79	77	79	bc	Cumu	5	8	All square sail except
2	6	0	"	"	4		30.02	79	79	77	79	"	"	6	"	mainsail, All studgs
3	6	0	"	"	4		30.02	79	79	77	79	"	"	6	"	
4	6	5	"	"	4		30.02	79	79	77	79	"	"	7	"	
5	6	4	"	S S E	4		30.04	79	79	78	80	"	"	7	"	
6	6	2	"	"	4		30.07	78	78	78	80	"	"	8	"	
7	6	4	"	"	4		30.10	79	79	78	80	"	"	8	"	
S 3°56 W 8	6	6	"	"	4		30.11	80	78	78	80	"	"	8	"	
117°56 9	6	4	"	"	4		30.14	80	80	76	80	"	Cirrus	8	"	
10	6	2	"	"	4		30.14	80	80	76	80	"	"	8	2	
11	6	2	"	"	4		30.12	80	81	76	80	"	"	9	"	
Noon.	7	0	"	"	4		30.11	80	83	77	80	"	Cirs	9	"	

Distance run by Log since preceding Noon 150 knots 9 tenths fathoms.

Latitude by D. R. at Noon 3° 49' 57" S

Longitude by D. R. at Noon 118° 07' 00" W

Latitude by Observations at Noon ⊙ 3° 47' 57" S

Longitude by Chronometer from Forenoon Observations ⊙ 118° 22' 15" W

Current during the time 1.62 knots — fms. per hour, setting to the N 82° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

212 Variation of the Compass by Azimuth ⊙ observed at 6. a. m. 5° 30' 00" E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 100 " 1536 "

P. M.															
1	7	2	W by N.	E S E.	4	30.09	81	83	76	80	bc	Cir	9	2	
2	6	4	"	"	4	30.07	81	83	77	80	"	"	9	"	
3	7	0	"	"	4	30.05	81	83	77	80	"	Cir Cumu	9	"	
4	6	5	"	"	4	30.04	81	83	77	80	"	"	9	"	
5	6	5	"	"	4	30.00	80	83	77	80	"	Cumu & Cir Cumu	6	8	
6	6	5	"	"	4	30.02	80	81	76	80	"	"	7	"	
S 3°30' W 119°1'9	7	0	"	E by S.	4	30.03	80	81	76	80	"	"	7	"	
8	7	6	"	"	4	30.03	80	80	76	80	"	"	7	"	
9	7	2	"	"	4	30.08	80	82	76	80	"	Cumu	8	"	
10	7	2	"	"	4	30.10	80	82	76	80	"	"	8	"	
11	7	2	"	"	4	30.10	80	81	75	80	"	"	8	"	
Mid.	7	0	"	"	4	30.10	80	81	75	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ 118° 25' 30" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by Az ⊙ at lat 3° 39' S long 118° 51' W 5° 00' 00" E

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday. May 27th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Barometer steady. Moderate breeze from E by S. Cumulus clouds. Smooth sea. Bright moonlight, Aneroid barometer 29.89.

1st Lieut Kohlberg

4 to 8 A.M. Weather clear and pleasant, Fresh breeze from E.S.E. Barometer rising. Steering a course N by W. Aneroid 29.96.

Lieut

8 A.M. to Meridian. Clear and warm. Moderate breeze from E.S.E. Barometer steady. Went to quarters at 9.15. Commanding Officer inspected the ship and crew. Aneroid barometer at end of watch 29.93.

W. H. Irwin Master.

Meridian to 4 P.M. Clear pleasant weather, Moderate breeze from E.S.E. Barometer falling slowly, Ship rolling easily to long swell from E.S.E. Under all square sail except mainsail. Course N by W. Aneroid 29.87.

F. D. Dunn Ensign

4 to 6 P.M. Weather clear and pleasant, Barometer falling. Moderate breeze from E by S. Smooth sea varied by an occasional long roller from S and E. Aneroid barometer 29.88.

1st Lieut Rohlberg

6 to 8 P.M. Weather clear and pleasant, Fresh breeze from E by S. Sea smooth, Barometer steady. Aneroid 29.89.

Lieut

8 P.M. to Midnight. Clear and pleasant, Fresh breeze from E by S. Moon rose at 11.20. Aneroid barometer at the close 29.92.

W. H. Irwin Master

Moon's mid Dec 9° 50. 35" S Phase. Full Moon

Examined and found to be correct.

W. J. H. Parker Lieut—D Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao Peru, to Honolulu Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	WbyN.	EbyS.	4		30.10	80	81	77	80	bc	Cu Cumd	8	L	All square sail ex-
2	7	4	"	"	4		30.07	80	81	77	80	"	"	7	"	Spt mainsail and
3	7	6	"	"	4		30.07	80	81	77	80	"	"	7	"	all studgls
4	7	6	"	"	4		30.07	80	81	77	80	"	"	7	"	
5	7	0	"	"	4		30.03	80	80	74	80	"	Cumd Cir Cumd	8	"	
6	6	5	"	"	4		30.03	80	80	74	80	"	"	5	"	
7	6	5	"	"	4		30.04	80	80	74	80	"	"	7	"	
8	6	5	"	"	4		30.06	80	80	74	80	"	"	7	"	
9	6	0	"	"	5		30.15	80	80	74	79	"	"	8	"	
10	6	6	"	"	5		30.15	80	80	74	79	"	"	8	"	
11	7	0	"	"	5		30.15	80	81	74	79	"	"	8	"	
Noon.	8	5	"	"	5		30.11	80	82	75	79	"	"	8	"	

Distance run by Log since preceding Noon 161 knots 5 tenths fathoms.

Latitude by D. R. at Noon 2 ° 56 '06 " S

Longitude by D. R. at Noon 121 ° 03 '00 " W

Latitude by Observations at Noon ⊙ 2 ° 57 '32 " S

Longitude by Chronometer from Forenoon Observations ⊙ 121 ° 12 '30 " W

Current during the time 0.38 knots ~~fms.~~ per hour, setting to the N 83° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8.A.m. 5 ° 00 '011 " E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1750 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 100 " 1236 "

P. M.														
1	7	0	WbyN	EbyS.	5	30.08	80	84	76	80	bc	Cu Cumd	8	L
2	6	6	"	"	4	30.08	80	83	76	80	"	"	8	"
3	6	8	"	"	4	30.07	80	83	76	80	"	"	7	"
4	7	0	"	"	4	30.07	80	82	76	80	"	"	7	"
5	7	0	"	"	4	30.05	80	82	76	80	"	"	7	"
6	6	8	"	"	4	30.03	80	82	76	80	"	"	6	"
7	6	5	"	"	4	30.04	80	81	75	80	"	"	8	"
8	7	0	"	"	4	30.04	80	81	75	80	bcp	Cu Nimbus	6	"
9	7	4	"	"	5	30.06	79	81	75	79	bc	"	8	"
10	7	6	"	"	5	30.08	79	81	75	79	"	"	8	"
11	7	6	"	"	5	30.10	79	80	74	79	"	"	8	"
Mid.	7	6	"	"	6	30.10	79	80	74	79	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ 121 ° 16 '12 " W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by Aq 0 at 2° 49' S 121° 42' W 5 ° 00 '00 " E

under the command of Commander A. H. McCormick, U. S. Navy,

Monday, May 28th, 1883

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Moderate breeze from E by S. Smooth sea. Bright moonlight. Aneroid 29.96.

Wainwright Kellogg Lieut

4 to 8 A.M. Weather clear and pleasant. Barometer steady. Cumulus and cirro-cumulus clouds. Moderate breeze from E by S. Sea smooth. an occasional long roller from SE and EE. Aneroid barometer 29.96.

Karl Rhoads Lieut

8 A.M to Meridian. Weather clear and pleasant. Fresh breeze from E by S. Smooth sea. Barometer steady. Exercised at general quarters at 9.15. Aneroid 29.92.

[illegible] Lieut

Meridian to 4 P.M. Clear pleasant weather. Stiff to moderate breeze from E by S. Barometer steady. Ship rolling easily to long swell from E.S.E. Under all square sail except mainsail. Studding sails both sides. Course W by N. Aneroid 29.87.

H. O. Hunt Ensign

4 to 6 P.M. Clear and pleasant. Steady moderate breeze from E by S. Smooth sea. Mustered at quarters at 4.45. Aneroid 29.89.

Wainwright Kellogg Lieut

6 to 8 P.M. Clear and pleasant weather. having a light passing shower of rain in last hour of watch. Moderate breeze from E by S. Cirro-cumulus, cumulus and nimbus clouds. Aneroid bar. 29.90.

Karl Rhoads Lieut

8 P.M to Midnight. Weather clear and pleasant. Fresh breeze from E by S. Barometer rising. Aneroid 29.92.

[illegible] Lieut

Moon l mid
Dec 5° 32' 09
Phase Full Moon

Examined and found to be correct.

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Isld's

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	Wby N.	Eby S	5		30.10	79	80	75	80	bc	cir cumu	8	S	All square sail except
2	7	0	"	"	5		30.09	79	80	75	80	"	Cir	9	"	main sail, Studgls both
3	7	0	"	"	5		30.06	79	80	75	80	"	"	9	"	sides.
4	7	0	"	"	5		30.04	79	80	75	80	"	"	9	"	
5	6	8	"	"	4		30.04	79	80	75	80	"	"	7	"	
6	6	2	"	"	4		30.04	79	80	75	80	"	"	5	"	
7	5	8	"	"	4		30.04	81	79	78	80	"	"	8	"	
8	6	0	"	"	4		30.04	81	80	78	80	"	"	8	"	
9	6	0	"	"	4		30.09	81	80	78	80	"	Cumu & Cir Cumu	6	"	
10	6	0	"	"	4		30.09	81	81	79	80	"	"	6	"	
11	6	0	"	"	4		30.09	81	81	79	80	"	"	4	"	
Noon.	7	0	"	"	4		30.06	80	82	79	80	"	"	6	"	

S 2° 36' W 123° 30'

Distance run by Log since preceding Noon	161 knots 7 fathoms.
Latitude by D. R. at Noon	2° 03' 02" S
Longitude by D. R. at Noon	123° 47' 00" W
Latitude by Observations at Noon ⊙	2° 23' 05" S
Longitude by Chronometer from Forenoon Observations ⊙	123° 53' 48" W
Current during the time .83 knots ___ fms. per hour, setting to the	S 22° W
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
211 Variation of the Compass by Azimuth ⊙ observed at 8. a. m.	4° 45' E
Water expended during the preceding 24 hours	350 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	11400 "
Coal consumed during the preceding 24 hours	tons 300 lbs.
Coal remaining on hand at Noon	100 " 956 "

P. M.														
1	6	0	Wby N.	Eby S	4	30.07	80	84	80	80	bc	cir cumu	9	S
2	5	6	"	"	4	30.07	80	83	80	80	"	"	8	"
3	5	2	"	"	4	30.05	80	82	79	80	"	"	8	"
4	5	5	"	"	4	30.05	80	82	79	80	"	"	5	"
5	5	6	"	East	4	30.02	80	82	76	80	"	"	6	S
6	6	0	"	"	4	30.02	80	81	75	80	"	Cumu str	6	"
7	6	4	"	"	4	30.04	80	80	75	80	"	"	7	"
8	6	4	"	"	4	30.06	80	80	75	80	"	"	8	"
9	5	5	"	Eby S	3	30.06	80	79	75	80	"	Cir cumu	8	"
10	5	5	"	"	3	30.06	80	79	75	79	"	cumu	7	"
11	6	0	"	"	3	30.06	79	79	75	79	bc/p	cumu nimb	5	"
Mid.	6	0	"	"	4	30.06	79	79	75	79	bc	cir cumu	7	"

5 2° 09' W 124° 42'

Longitude by Chronometer from Afternoon Observations ⊙	123° 56' 00" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday, May 29th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, bright moonlight. Moderate to fresh breeze from E by S. Aneroid barometer at the close 29.90.

W. H. Spicer Master

4 to 8 A.M. Clear and pleasant. Moderate breeze from E by S. Sea smooth. Barometer steady. Aneroid 29.94.

Wainwright Kellogg Jr Lieut

8 A.M. to Meridian. Clear and pleasant weather. Moderate breeze from E by S. Barometer steady. Clouds cumulus and cirro-cumulus At 9.15 mustered and inspected crew at quarters, and drilled 2d division at single sticks, 3d and Powder divisions at small arms and instructed 1st division orally in gunnery. Engaged in preparing boats for painting and refitting foretopsail. Aneroid barometer 29.92.

Karl Rohrer Lieut

Meridian to 4 P.M. Clear and pleasant. Moderate breeze from E by S. Barometer steady. Long swell from E.S.E. Course W by S. Engaged in painting and scraping boats. Aneroid barometer 29.86.

H. O. Dunn. Ensign

4 to 6 P.M. Pleasant weather. Moderate breeze from E. Went to quarters for inspection at 4.45. Put cover on main yard and hoisted smokestack. Aneroid barometer 29.87.

W. H. Spicer Master

6 to 8 P.M. Clear and pleasant. Moderate breeze from East, Smooth sea, Ship rolling from 8° to 15°. Long swell from E.S.E. Aneroid 29.90.

Wainwright Kellogg Jr. Lieut

8 P.M. to Midnight. Weather pleasant, barring a shower of rain during third hour of watch. Breeze gentle to moderate from E by S. Barometer steady. Cumulus, nimbus, and cirro-cumulus clouds. Aneroid barometer 29.92.

Karl Rohrer Lieut

Moonlight. Examined and found to be correct.

Dec 10° 47' 02" S

Phase Last Quarter

N. H. Farley

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru to Honolulu. Sandwich Islds

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
S 2°06' W 125°02'	A. M.																
	1	7	0	W by N	E by S.	4		30.07	80	80	75	79	bc	Cir cumu	8	2	all square sail except
	2	6	5	"	"	4		30.05	79	80	75	79	"	"	8	"	mainsail. all studgls
	3	6	5	"	"	4		30.05	79	79	74	79	"	"	8	"	
	4	6	0	"	"	4		30.03	79	79	74	79	"	"	8	"	
	5	6	6	"	"	4		30.02	79	79	74	79	"	Cum strat	7	"	Took in all sail
	6	6	0	"	"	4		30.04	79	78	73	79	"	"	6	"	Made all square sail
	7	Swinging ship			East	4		30.04	79	78	73	79	"	Cir cumu	6	3	except mainsail. set
S 1°57' W 125°42'	8	6	0	W by W.	"	4		30.08	81	79	74	79	"	"	7	"	all stbd studgls & port f. topgall
	9	7	0	"	E by N.	5		30.10	81	80	75	79	"	"	7	"	stbd studgls
	10	7	2	"	"	5		30.10	81	81	75	79	"	"	8	"	
	11	6	8	"	"	5		30.09	81	81	75	80	"	Cir	8	"	Took in port f. topgall
	Noon.	7	6	"	"	5		30.07	80	81	75	80	"	"	8	"	studgls

Distance run by Log since preceding Noon 142 knots / fathoms

Latitude by D. R. at Noon S. 1 °41 '35" S

Longitude by D. R. at Noon W. 126° 10 '48"

Latitude by Observations at Noon ⊙ S. 1 ° 49 ' 00"

Longitude by Chronometer from Forenoon Observations ⊙ W 126 ° 09 '03"

Current during the time . 32 knots ___ fms. per hour, setting to the S 72 ° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

210 Variation of the Compass by Azimuth ⊙ observed at 8. A. M. 5 ° 00 ' E

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 600 "

Water remaining on hand fit for use at Noon 1750 "

Coal consumed during the preceding 24 hours 2 tons 3220 lbs.

Coal remaining on hand at Noon 97 " 976 "

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	P. M.																
	1	6	5	W by N	E by N.	4		30.03	80	81	75	80	bc	Cir cumu	7	3	
	2	6	5	W N W 1/2 W	"	4		30.00	79	80	74	80	"	"	8	"	
	3	6 2	0 5	"	"	4		30.00	79	79	74	80	"	"	8	"	Took in all sail
	4	Swinging ship			"	4		29.90	79	79	74	80	"	"	9	"	
	5	"		"	"	4		30.00	80	79	74	79	"	"	8	"	Set all square sail
	6	1	0	W N W 1/2 W.	East	4		30.00	80	79	74	79	"	"	8	"	except mains'l and
	7	5	6	"	"	4		30.00	80	79	74	79	"	"	9	"	all stbd studgls
S 1°36' W 126°33'	8	6	0	"	"	4		30.00	79	79	74	79	"	"	9	"	
	9	6	2	"	"	4		30.00	79	79	76	80	"	Ci	9	"	
	10	6	2	"	"	4		30.00	79	79	76	80	"	cumst	9	"	
	11	6	5	"	"	4		30.00	79	79	76	80	"	"	8	"	
	Mid.	7	4	"	"	5		30.00	79	79	76	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ W. 126 ° 01 '45"

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, May 30th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Fresh breeze from E by S. Barometer steady. Aneroid 29.88. Steering a course N by E. Started fires under four starboard boilers at 3.30.

Lieut

4 to 8 A.M. Pleasant weather. Moderate breeze from E by S. hauling to E. At 5. Ho shortened sail to topsails. coupled propellor. took in topsails. and commenced swinging ship for deviation under steam. Owing to temporary inability to go ahead. was obliged to suspend the operation at 6.50, and made sail. heading on course at 6.10. Aneroid barometer 29.90. Distilling.

W. H. Dunn Master

8 A.M to Meridian. Clear and warm. Moderate breeze from E by N. Smooth sea. Moderate swell from E.S.E. Scrubbed 68 bread bags. Aneroid 29.90. Distilling.

Wm Wright Kellogg Lieut

Meridian to 4 P.M. Weather clear and pleasant. Barometer falling slowly. Moderate breeze from E by N. Cirro-cumulus clouds. At 3.00 spread fires, and stopped, distilling. At 3.10 took in all sail & studding-sails light sails, and foresail and brought the ship to, foretopsail to the mast. Coupled propellor, and commenced going ahead with engine at 3.28. Took in topsails and jib and commenced swinging ship for compass deviation at 3.30. Aneroid barometer 29.84. At 1.00 changed course to N.N.W 1/2 W. By order of Commanding Officer.

Karl Rohrer Lieut

4 to 6 P.M. Weather clear and pleasant, Moderate breeze from E by N. Smooth sea. Barometer steady. Mustered at quarters at 4.45. Swinging ship until near end of watch. Made sail at 5.50 to royals except fore and aft sail and mainsail. Banked fires under two boilers and kept two others for distilling. Aneroid at end of watch 29.88.

Lieut

6 to 8 P.M. Clear and pleasant, bright starlight. Moderate breeze from E. Barometer steady. Aneroid barometer 29.90. Distilling.

W. H. Dunn Master

8 P.M to Midnight. Clear and pleasant. Moderate breeze from East. Smooth sea. Aneroid 29.88. Distilling

Wm Wright Kellogg Lieut

Moon's mid Examined and found to be correct.

Dec 3° 59' 44" N

Phase Last quarter

W. H. Parker Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru to Honolulu. Sandwich Islands.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	WNW½W	East	4		29.98	79	79	75	79	bc	Cumu Circum	7	8	All square sail except
2	6	5	"	"	4		29.98	79	79	75	79	"	Circum	9	"	mainsail. all stbd
3	6	5	"	"	4		29.96	79	79	75	79	"	Cumu	8	"	studgils
4	6	5	"	"	4		29.96	79	79	75	79	"	Circum	9	"	
5	5	8	"	"	4		30.00	78	78	74	79	"	"	8	M	
6	5	0	"	"	4		30.00	78	78	73	79	"	"	6	"	Took in all sail
7	Swinging ship			"	5		30.01	78	78	73	79	"	"	8	"	
S 1.18 W 127°27' 8	"		"	"	5		30.01	78	78	73	79	"	"	8	"	Made all square sail
9	4	0	WNW½W	"	5		30.07	80	80	75	79	"	"	8	"	except mainsail. Set
10	6	0	"	"	4		30.07	80	80	75	79	"	"	8	"	all stbd studgils
11	6	0	"	"	4		30.07	80	81	76	79	"	"	9	8	
Noon.	7	4	"	"	4		30.05	80	82	76	79	"	"	9	"	

Distance run by Log since preceding Noon	118 knots 5 ~~fathoms~~
Latitude by D. R. at Noon	1 ° 07 ' 00" S
Longitude by D. R. at Noon	127 ° 56 ' 18" W
Latitude by Observations at Noon ⊙	1 ° 01 ' 50" S
Longitude by Chronometer from Forenoon Observations ⊙	127 ° 49 ' 18 "W
Current during the time knots fms. per hour, setting to the	?
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
210 Variation of the Compass by Azimuth ⊙ observed at 8 A. M.	4° 30' E
Water expended during the preceding 24 hours	350 gallons.
Water distilled during the preceding 24 hours	~~1950~~ "
Water remaining on hand fit for use at Noon	2750 "
Coal consumed during the preceding 24 hours	5 tons 300 lbs.
Coal remaining on hand at Noon	92 " 676 "

P. M.															
1	6	4	WNWbW	East	4	30.02	80	82	76	79	bc	Cicum	6	8	
2	6	0	"	"	4	30.00	80	82	76	79	"	"	7	"	
3	6	2	"	"	4	29.98	80	82	76	79	"	"	7	"	
4	6	0	"	"	4	29.96	80	82	76	79	"	"	8	"	
5	5	0	"	"	4	29.96	79	79	75	79	"	"	9	"	
6	6	0	"	"	4	29.96	79	79	75	79	"	"	8	"	
7	5	4	"	E by S	4	29.96	79	79	75	79	"	"	8	"	Set the aloft sail.
S 00°45' W 128°23' 8	5	2	"	"	4	29.96	79	79	75	79	"	"	8	"	
9	6	4	"	"	3	30.00	79	80	75	79	"	"	8	"	
10	6	4	"	"	3	30.01	79	80	75	79	"	"	8	"	
11	5	4	"	"	3	30.02	79	79	74	79	"	"	8	"	
Mid.	6	0	"	"	3	30.02	79	79	74	79	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	127 ° 40 '00" W
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at sunset	° ' "
Variation of the Compass by ☿ ⊙ at S. 10°53' W 128°03	4° 30' E

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday, May 31st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant, Moderate breeze from E. Barometer falling. Cumulus and cirro-cumulus clouds. Stopped distilling at 1.45 and banked fires. Aneroid barometer 29.83.

Karl Rohrer Lieut

4 to 8 A.M. Weather clear and pleasant. Fresh breeze from E'd Moderate sea. Barometer steady. Spread fires at 5.40. Took in all sail and started ahead under steam at 6.00. Swinging ship during remainder of watch. Aneroid 29.89.

C. P. Rae Lieut

8 A.M. to Meridian. Clear and warm. Moderate breeze from E'd At 8.20 stopped steaming, and made all plain sail to royals except main-sail, also all starboard studding sails. Went to quarters at 9.15 for muster and inspected. Exercised all divisions per routine, also 3d division at Gatling gun. Aneroid barometer 29.85

W. M. Dunn Master

Meridian to 4 P.M. Clear, and warm. Moderate breeze from East, Sea smooth. Aneroid 29.80.

William Gibbons Jr.
W.K. Lieut

4 to 6 P.M. Clear and pleasant weather. Moderate breeze from the East, At 4.45 mustered crew at quarters, and afterwards exercised at shifting topsails. Aneroid barometer 29.84.

Karl Rohrer Lieut

6 to 8. P.M. Weather clear, and pleasant. Gentle breeze from Eby S. Smooth sea. Barometer steady. Set lee clew of mainsail at 7.20. Aneroid 29.84.

C. P. Rae Lieut

8 P.M. to Midnight, Pleasant weather, slightly misty around the horizon, Moderate breeze from Eby S. Barometer rising slowly. Aneroid barometer 29.88.

W. M. Dunn Master

Moon's mid Dec 8° 41' 27" N
Phase Last quarter

Examined and found to be correct.

R. H. Baxter Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making passage from Callao Peru to Honolulu Sandwich Isld

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	WNW½W	E by S	4		30.00	78	79	75	79	bc	Ci nimb	7	S	Square sail to royals
2	6	0	"	"	4		30.00	78	79	75	79	"	"	7	"	Weather clew of mainsail
3	6	0	"	"	4		30.00	78	79	75	79	"	"	8	"	all stbd studgs
4	5	8	"	"	4		29.98	78	79	75	79	"	"	8	"	
5	4	5	"	East	3		30.00	78	78	75	79	"	Ci cumu Cumu	7	"	
6	4	0	"	"	3		30.00	78	78	75	77	"	"	6	"	
7	4	0	"	"	3		30.04	79	78	75	77	"	"	9	"	
8	4	5	"	"	3		30.04	80	78	75	77	"	Cir	9	"	
9	5	2	"	E by S.	3		30.08	80	79	75	78	"	"	8	"	Set port studgs
10	5	2	"	"	3		30.10	80	80	75	78	"	"	8	"	
11	5	5	"	"	3		30.08	79	81	76	78	"	"	8	"	
Noon.	5	6	"	"	3		30.05	79	82	76	78	"	"	9	"	

S 23' W 129°04'

Distance run by Log since preceding Noon 130 knots) fathoms.

Latitude by D. R. at Noon 11°13'00" S

Longitude by D. R. at Noon 129°47'00" W

Latitude by Observations at Noon ⊙ 11°15'00" S

Longitude by Chronometer from Forenoon Observations ⊙ 129°25'00" W

Current during the time 0.8 knots ~~fms.~~ per hour, setting to the S 84° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

210 Variation of the Compass by Azimuth ⊙ observed at 8. am - 4°05'00" E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2400 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 92 " 376 "

P. M.															
1	5	2	WNW½W	E by S	3		30.02	80	83	77	79	bc	Cir	9	S
2	5	0	"	"	3		30.00	80	83	77	79	"	Ci cumu	8	"
3	5	0	"	"	3		29.99	79	81	76	79	"	"	7	"
4	5	0	"	"	3		29.99	79	80	76	79	"	"	7	"
5	4	6	"	"	3		29.98	80	81	76	79	"	"	5	"
6	6	0	"	"	3		29.98	80	81	76	78	"	"	6	"
7	4	5	"	E S E.	3		29.99	80	81	76	78	"	"	8	"
8	5	0	"	"	3		30.00	80	81	76	78	"	"	7	"
9	5	2	"	E by S.	4		30.01	79	80	76	77	"	"	8	"
10	5	6	"	"	4		30.02	79	80	76	77	"	"	8	"
11	5	4	"	"	4		30.02	78	80	76	77	"	"	8	"
Mid.	0	4	"	"	4		30.03	78	79	76	77	"	"	8	"

00..00 / 130°00

Longitude by Chronometer from Afternoon Observations ⊙ 129°02'00" W

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by ☽ ⊙ at S 11..07' W 129°40' 4°30' E"

under the command of Commander A. H. McCormick, U. S. Navy,

Friday, June 1st, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to moderate breeze from Eby S. Smooth sea. Aneroid 29.88.

Cunningham-Kellogg Lieut

4 to 8 A.M. Weather clear and pleasant. Gentle breeze from East. Barometer rising. Cirrus and cirro-cumulus clouds. Aneroid barometer 29.88.

Karl Rohrer Lieut

8 A.M to Meridian. Weather clear and warm. Gentle breeze from Eby S. Smooth sea. Barometer steady. Exercised at fire quarters at 9.15. after which exercised signal class. Set port studdingsails except main topgallant at 9.45 and took in lee clew of mainsail. Sent down main topgallant yard at 10.00 and shifted main topgallant sail. Sent it aloft at 10.30 and made all sail on main except mainsail. Aneroid at end of watch 29.89.

C. Belknap Lieut

Meridian to 4 P.M. Clear pleasant weather. Gentle breeze from Eby S. Barometer falling slowly. Smooth sea. Ship under all square sail except mainsail with studdingsails both sides. Course W N W 1/2 W. Aneroid barometer 29.82.

W. D. Mimm Ensign

4 to 6 P.M. Clear and pleasant. Light breeze from Eby S. Smooth sea. Mustered at quarters at 4.45. Aneroid 29.84.

Cunningham-Kellogg 2d Lieut

6 to 8 P.M. Weather clear and pleasant, Gentle breeze from E.S.E. Barometer steady. Cirro-cumulus clouds. Aneroid barometer 29.84.

Karl Rohrer Lieut

8 P.M to Midnight. Weather clear and pleasant, Gentle breeze from Eby S. Smooth sea. Barometer steady. Aneroid 29.88.

C. Belknap Lieut

Moon's mid Examined and found to be correct.

Dec 12° 53' 32" N

Phase Last Quar.

W. T. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	6	WNW 1/2 W	E by S	4		30.12	79	79	75	79	bc	circum.	8	8	Square sail and studdls both sides ex-
2	5	2	"	"	4		30.00	79	79	75	79	"	"	8	"	cept lee clew of mainsail
3	5	2	"	"	4		30.00	79	79	75	79	"	"	7	"	
4	6	0	"	"	4		30.00	79	79	74	79	"	circum 3 cumb	4	"	
5	6	0	"	"	4		30.02	79	79	74	79	"	"	2	"	
6	6	4	"	"	4		30.04	79	79	74	79	"	circum	5	"	
7	6	0	"	"	4		30.06	79	79	74	79	"	"	6	"	
N 00° 14' W 131° 02 8	5	8	"	"	4		30.06	80	79	74	79	"	"	5	"	
9	5	0	"	SE & E.	3		30.06	80	79	76	79	"	"	4	"	
10	5	0	"	E & E.	3		30.06	80	79	76	79	"	circum 3 cumb	7	"	
11	6	0	"	"	3		30.06	80	81	76	79	"	circum cumb strat	8	"	
Noon.	6	5	"	"	4		30.04	80	81	76	79	"	"	7	"	

Distance run by Log since preceding Noon 130 knots 6 ~~tenths~~

Latitude by D. R. at Noon 00 ° 30 ' 00 " N

Longitude by D. R. at Noon 131 ° 23 ' 00 " W

Latitude by Observations at Noon ⊙ 00 ° 24 ' 00 " N

Longitude by Chronometer from Forenoon Observations ⊙ 131 ° 23 ' 00 " W

Current during the time .45 knots ~~fms.~~ per hour, setting to the S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise . ' "

154 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 4 ° 30 ' 00 " E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2050 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 92 " 76 "

P. M.															
1	6	0	WNW 1/2 W	S E by E	4		30.04	79	82	77	79	bc	circum	8	8	Took in port studdgls
2	5	4	N.W.	"	4		30.00	79	81	76	79	"	"	8	"	set jib. flying jib and
3	4	8	"	"	3		30.00	79	80	75	79	"	"	9	"	lee clew of mains'l
4	3	8	"	"	3		30.00	79	80	75	79	"	"	9	"	
5	3	2	"	"	2		30.00	79	81	76	79	"	"	8	"	
6	3	0	"	"	2		30.01	79	80	76	79	"	circum 3 cumb	6	"	
4 7	3	4	"	"	2		30.00	80	80	76	79	"	cumb strat	6	"	
00 48' W 131° 52 8	2	8	"	"	2		30.01	80	80	76	79	"	"	5	"	
9	3	0	"	E & E.	2		30.04	80	80	76	78	"	cirs	9	"	
10	3	0	"	"	2		30.04	80	80	76	78	"	"	9	"	
11	2	5	"	"	2		30.04	80	80	76	78	"	circum	5	"	
Mid.	2	6	"	"	2		30.04	80	80	76	78	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ 131 ° 28 ' 00 " W

Longitude by Chronometer from Observations * . ' "

Variation of the Compass by Amplitude observed at Sunset . ' "

Variation of the Compass by Az 0 at N. 00° 36' W 131° 42' 4 ° 38 ' E"

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday, June 25, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy. Moderate breeze from E by S. Barometer steady. Aneroid barometer 29.84.

W.W. Smith Master

4 to 8 A.M. Cloudy. Moderate breeze from E by S. Smooth sea. Aneroid 29.84

W. Winslow Kellogg Lieut

8 A.M. to Meridian. Weather clear and pleasant. Barometer steady. Cirro-cumulus, cumulo-stratus and nimbus clouds. Arid bedding. Gentle to moderate breeze from S E by E to E S E. Aneroid barometer 29.89.

Hart Perkins Lieut.

Meridian to 4 P.M. Clear pleasant weather. Moderate to gentle breeze from S E by E. Smooth sea. Barometer steady. At 1.00 took in port studdingsails, and set jib, flying jib and let fly of mainsail. At 1.00 changed course to N W.

T. O. Dunn Ensign.

4 to 6. P.M. Pleasant weather. Gentle breeze from S E by E. Moderate swell. Mustered at quarters at 4.45. Aneroid barometer 29.84.

W.W. Smith Master

6 to 8. P.M. Clear and warm. Light airs from S E by E. Barometer steady. Smooth sea. Aneroid 29.86.

W. Winslow Kellogg

WK Lieut.

8 P.M. to Midnight, Clear and pleasant weather. Light breeze from E S E. Barometer steady. Cirrus and cirro-cumulus clouds. Aneroid bar. 29.88.

Hart Perkins, Lieut

Moon 1 mid. Examined and found to be correct.

Dec 16° 18' 52" N

Phase Last Quarter

W. H. Parker

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1	2	2	N.W	S.E by E.	2		30.00	79	80	76	79	bc	cir cum	8	8	Square sail, lee clew
2	2	2	"	"	2		30.00	79	79	75	79	"	"	8	"	Spanr sail, jib, flyg
3	2	2	"	"	2		29.98	78	79	75	79	"	"	8	"	jib, stbd studgls
4	2	8	"	"	3		29.98	78	79	75	79	"	"	8	"	
5	3	8	"	"	3		30.00	79	79	75	79	"	cir cum strat	7	"	
6	3	8	"	"	3		30.00	79	79	75	79	"	"	6	"	
7	3	8	"	"	3		30.02	80	80	76	79	"	cir cum	7	"	
N. 1°10' W 132°32' 8	3	6	"	"	3		30.06	81	80	76	79	"	"	7	"	
9	3	2	"	"	3		30.04	83	81	76	79	"	"	7	"	
10	3	6	"	S.E.	3		30.02	84	82	77	79	"	"	9	"	Set port studgls
11	3	0	"	"	3		30.00	83	82	77	79	"	"	8	"	
Noon.	3	0	"	"	2		29.99	83	82	77	79	"	"	8	"	

Distance run by Log since preceding Noon — 80 knots 6 tenths ~~fathoms.~~

Latitude by D. R. at Noon — 1 ° 22 ' 19 " N

Longitude by D. R. at Noon — 132 ° 22 ' 00 " W

Latitude by Observations at Noon ⊙ — 1 ° 20 ' 32 " N

Longitude by Chronometer from Forenoon Observations ⊙ — 132° 40 ' 00 " W

Current during the time 0.82 knots ~~fms.~~ per hour, setting to the — S 85° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

154 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. — 4° 45' 00" E

Water expended during the preceding 24 hours — 950 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons 300 lbs.

Coal remaining on hand at Noon — 91 " 2016 "

P. M.															
1	2	0	N.W.	S.E.	2	30.02	81	83	77	80	bc	cir cum	7	8	
2	2	2	"	"	2	30.00	81	83	77	80	"	"	7	"	
3	2	2	"	"	2	30.00	80	82	77	80	"	"	8	"	
4	2	3	"	"	2	29.98	80	82	77	80	"	"	9	"	Took in lee clew of
5	3	0	"	S.E by E.	2	30.00	80	82	77	80	"	"	9	"	mainsail.
6	3	4	"	"	2	30.00	80	82	76	80	"	"	9	"	
N. 1°37 W 133°00 7	3	2	"	S.E.	2	30.03	80	82	76	80	"	"	8	"	
8	2	8	"	"	2	30.03	81	82	76	80	"	"	6	"	
9	2	5	"	"	2	30.02	81	82	76	80	"	"	6	"	
10	2	3	"	"	2	30.02	81	82	76	80	"	"	7	"	
11	2	6	"	"	2	30.02	81	82	77	80	"	"	8	"	Hauled down jib
Mid.	3	0	"	"	2	30.02	81	82	77	80	"	"	6	"	and flying jib

Longitude by Chronometer from Afternoon Observations ⊙ — 132° 52 ' 01 " W

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by Az 0 at N 1°27 W 132°57 — 4 ° 30 ' E

under the command of Commander A. H. McCormick, U. S. Navy,

Sunday, June 3d, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather clear and pleasant. Light breze from S.E by E. Smooth sea. Barometer steady. Aneroid 29.84.

C. Rae Lieut

4 to 8 A.M. Clear and pleasant. Gentle breze from S.E by E. Smooth sea. Aneroid barometer 29.90.

W. H. Lemm Master

8 A.M to Meridian. Clear and hot. Light breze from S.E. Smooth sea. At 9.30 set all port studdingsails. Aneroid 29.89.

Wainwright Kellogg Lieut

Meridian to 4 P.M. Clear and warm. Light breze from S.E. Barometer falling slowly. Smooth sea. All square sail except mainsail with studdingsails both sides. Course N.W.

A. D. Wilson. Ensign.

4 to 6 P.M. Weather clear and pleasant. Gentle breze from S.E by E. Smooth sea. Barometer steady. Called all hands to muster at 4.45, and read Articles for the Better Government of the Navy. Aneroid 29.84.

C. Rae Lieut

6 to 8. P.M. Partly cloudy. Gentle breze from S.E. Smooth sea. Aneroid barometer 29.85.

W. H. Lemm Master

8 P.M to Midnight, Clear and warm. Light breze from S.E. Smooth sea. At 11.50 hauled down jib and flying jib. Aneroid 29.85.

Wainwright Kellogg Lieut

Examined and found to be correct.

Moon Lenicd
Dec. 18° 39' 10" N
Phase, Last Quarter

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao Peru to Honolulu. Sandwich Is

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1	2	5	N.W.	S E.	2		30.00	80	80	76	79	bc	cumu cirs	4	5	All square sail ex-
2	2	5	"	"	2		29.98	80	80	76	79	"	"	4	"	cept mainsail. Studgs
3	2	5	"	"	2		29.96	80	79	76	79	"	"	4	"	both sides.
4	2	5	"	"	2		29.96	80	79	76	79	"	"	3	"	
5	2	2	"	"	2		29.95	79	80	76	79	"	"	4	"	
6	1	0	"	"	1-2		29.98	78	79	75	79	"	"	4	"	
7	1	0	"	"	0-2		30.00	79	79	75	79	bcp.	cirrus nimb	5	"	Took in and furled
N 2°13' W 133°45' 8	1	4	"	"	1-2		30.05	78	78	74	77	ocp.	"	0	"	all sail.
9	3	6	N. N W. 1/2 W.	Calm	0		30.08	79	78	75	80	"	nimb	0	"	
10	8	0	"	S E	0-1		30.09	79	78	75	80	bc	cumu nimb	4	"	
11	8	0	"	"	0-1		30.09	79	78	75	80	ocp.	nimb	0	"	
Noon.	8	0	"	"	0-1		30.09	79	79	76	80	bc	cumu nimb	3	"	

Distance run by Log since preceding Noon 74 knots 6 tenths fathoms.

Latitude by D. R. at Noon 2 ° 22 ' 20 " N

Longitude by D. R. at Noon 133 ° 32 ' 24 " W

Latitude by Observations at Noon ⊙ 2 ° 38 ' 28 " N

Longitude by Chronometer from Forenoon Obeervations ⊙ 133 ° 55 ' 00 " W

Current during the time 1.2 knots ~~fms~~. per hour, setting to the N 35° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° — ' "

154 Variation of the Compass by Azimuth ⊙ observed at ° — ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1350 "

Coal consumed during the preceding 24 hours 4 tons 440 lbs.

Coal remaining on hand at Noon 87 " 1576 "

P. M.															
1	8	0	N. N. W. 1/2 W	S E	0-1		30.07	81	81	76	80	bc	cir cumu	3	"	
2	7	0	"	"	0-1		30.04	81	81	76	80	"	"	2	"	
3	12	0	"	"	0-1		30.03	81	81	76	80	"	"	3	"	
4	5	0	"	"	0-1		30.00	81	81	76	80	"	"	3	"	
5	6	0	"	Calm	0		29.98	80	79	76	80	bc	cumu nimb	2	"	
6	8	0	"	S	1-3		29.98	80	79	76	80	bcd	cir cumu	2	"	Set main topsail & jib
7	7	0	N " W.	S S E	4		29.98	78	75	73	80	ocw	"	0	"	jib & t'gall stays'l & forsail
N 3°28 W 134-16 8	8	3	"	S S E	3		30.00	78	77	75	80	"	"	0	"	
9	8	6	N N W. 1/2 W	S W.	4		30.05	78	77	75	79	ocb	"	0	"	
10	8	8	"	"	4		30.07	79	77	75	79	bc	nimb	3	"	Took in main topsail
11	8	4	"	S S E	2		30.07	79	79	76	79	"	"	4	"	
Mid.	8	6	"	"	2		30.07	79	79	76	79	oc	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ 134 ° 01 ' 21 " W

Longitude by Chronometer from Observations * 1 ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander A. H. Mc Cormick, U. S. Navy,

Monday June 4th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light breeze from S.E. Barometer falling. Cumulus and cirro-cumulus clouds. Aneroid bar. 29.82

Karl Rohrer KR Sent

4 to 8 A.M. Weather cloudy with passing squalls of rain. Light airs from S.E. and calms. Barometer rising. Started fires under four starboard boilers at 6.30. Took in and furled all sail at 7.30. Aneroid at end of watch 29.90.

[illegible] Sent

8 A.M. to Meridian. Overcast and cloudy with passing showers, clearing latter part. Calm first hour, very light southeasterly airs remainder of watch. Inspected and mustered crew at quarters at 9.15. Started ahead under steam at 8.30, shaping course N.E. by N. 1/2 N. Aneroid bar. 29.92 Steam 48 lbs. Revs. 43.

W. M. Dunn Master

Meridian to 4 P.M. Clear and hot. Light airs from S.E. Smooth sea. Stopped engine from 2.10 to 2.40 to repair. Aneroid 29.84.

Cunningham-Kellogg WK Sent

4 to 6 P.M. Weather pleasant. Light breeze from E. in last hour of watch. Under steam pressure 40 lbs. and 38 revolutions. At 5.40 set main trysail. Smooth sea. Sent down main royal yard ~~re~~-bent the sail and sent the yard aloft again. Aneroid barometer 29.86.

Karl Rohrer Sent

6 to 8 P.M. Overcast with light drizzling rain. Light breeze from S. and E. Barometer steady. Changed course at 6.10 to N. 1/2 W. Set head sails and fore sail. Took in main trysail at 7.50. Aneroid at end of watch 29.90.

[illegible] Sent

8 P.M. to Midnight. Overcast and cloudy with light rain first hour. Gentle breeze varying from S.W. to S.S.E. Changed course to N.N.W. 1/2 W. at 8.00, Aneroid barometer 29.90. Steam 46 lbs. Revolutions 44

W. M. Dunn Master

Moon's mid Examined and found to be correct.
Dec 19° 44' 11" N
Phase New Moon

D. H. Parker
Sent 3 Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Isl'ds

	Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	A. M.																
	1	9	0	N.N.W.½W.	S.S.E.	3		30.05	79	79	76	79	oc	nimb	0	8	Foresail, jib & fore-stay-s'l
	2	8	44	"	"	3		30.03	79	79	76	79	"	"	0	"	
	3	8	4	"	"	3		30.03	79	79	76	79	"	"	0	"	
	4	8	2	"	"	3		30.01	79	79	76	79	"	"	0	"	
	5	8	0	"	S.W.	2		29.96	79	78	74	79	bc	circ cum nimb	3	"	
	6	7	5	"	S.S.W.	2		29.96	79	78	74	79	"	circ cum	3	"	
	7	8	0	"	"	2		30.00	79	79	75	79	"	circ cum	4	"	
5°01' N	8	8	0	"	"	2		30.00	79	79	75	79	"	"	5	"	Foresail
134°56' W	9	4	0	"	"	3		29.96	80	81	76	80	"	"	5	"	Made all square sail
	10	3	5	"	"	3		29.96	80	81	76	80	"	"	3	"	except mainsail. All
5°11' N	11	3	4	"	"	4		29.96	81	82	76	80	"	"	4	"	port studgls. Took in
135°00' W	Noon.	5	0	"	E.S.E.	4		29.96	78	79	77	80	oc p g	circ cum nimb	0	"	Port studgls. Set head sails

Distance run by Log since preceding Noon	163 knots 8 tenths ~~fathoms.~~
Latitude by D. R. at Noon	5 ° 15 ' 34 " N
Longitude by D. R. at Noon	134 ° 56 ' 00 " W
Latitude by Observations at Noon ⊙	135 ° 02 ' 00 " W
Longitude by Chronometer from Forenoon Observations ⊙	° ' "
Current during the time knots fms. per hour, setting to the	—
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° — ' "
135 Variation of the Compass by Azimuth ⊙ observed at	° — ' "
Water expended during the preceding 24 hours	350 gallons.
Water distilled during the preceding 24 hours	400 "
Water remaining on hand fit for use at Noon	11400 "
Coal consumed during the preceding 24 hours	12 tons 520 lbs.
Coal remaining on hand at Noon	75 " 1056 "

	P. M.																
	1	5	0	N.N.W.½W.	S.S.E.	2-4		30.01	78	78	76	80	oc r	nimb	0	8	Set sail & set top gall'ts & t'gall't s'ls
	2	2	0	"	"	0-1		30.00	78	79	77	80	"	"	0	"	Studgls. Took in all
	3	7	8	"	"	0-1		29.99	78	79	77	80	oc d	"	0	"	sail.
	4	7	8	"	"	0-1		29.99	78	79	77	80	"	"	0	"	
	5	8	0	"	N.S.W.	0-1		29.99	78	79	77	80	oc r	"	0	"	
	6	8	0	"	S.W.	1		29.99	78	79	77	80	"	"	0	"	
	7	7	0	"	S.S.W.	2		29.99	79	79	77	80	"	cum nimb	0	"	
6°04' S	8	7	0	"	"	2		30.00	79	79	77	80	"	"	0	"	
135°22' W	9	8	0	"	"	3		30.05	78	77	75	79	"	"	0	"	
	10	8	0	"	"	4		30.04	77	77	75	79	"	"	4	"	
	11	8	0	"	"	3		30.04	77	77	75	79	"	"	0	"	
	Mid.	8	0	"	"	1		30.02	77	77	76	79	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	° — ' "
Longitude by Chronometer from Observations *	° — ' "
Variation of the Compass by Amplitude observed at Sunset	° — ' "
Variation of the Compass by at	° — ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Tuesday. June 5th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Sultry. Cloudy. Light breeze varying from S.S.E to S.S.W. greater part of watch at S.S.E. Smooth sea. Aneroid 29.84. Average revolutions 42. Steam 46 lbs.

Wainwright Kellogg Lieut.

4 to 8 A.M. Weather clear and pleasant. Barometer rising. Light breeze from S.W to S.S.W. Sea smooth. Braced up the foreyard by the starboard braces to a shifting wind. Aneroid barometer 29.89. Under steam, pressure 1/2 lbs. and 46 revolutions.

Karl Rohrer Lieut.

8 A.M to Meridian. Weather cloudy with rain squalls last hour of watch. wind varying from S.S.W to E.S.E. Barometer steady. Stopped steaming and commenced distilling at 9.10. Made all square sail except mainsail and set all port studdingsails at 9.20. Took in all port studdingsails at 11.20. Aneroid 29.87.

C. P. Rees Lieut.

Meridian to 4 P.M. Overcast cloudy and rainy. Gentle breeze from S.S.E. light airs from same direction remainder of watch. At 1.00 took in and furled sail. Started fires and at 1.45 started ahead under steam. Aneroid bar. 29.84. Steam 38 lbs. revolutions 39.

W. M. Emmons Master

4 to 6 P.M. Overcast. Raining. Light breeze from W.S.W. Smooth sea. Revolutions 41. Steam 46 lbs. Aneroid 29.84.

Wainwright Kellogg Lieut.

6 to 8 P.M. Overcast cloudy and rainy. Light breeze from S.S.W. Under steam. pressure 41. Revolutions 38. Barometer steady. Aneroid 29.89

Karl Rohrer Lieut.

8 P.M to Midnight. Weather overcast and rainy. Moderate to light airs from S. and W. Barometer falling. Steaming N.N.W. 1/2 W. Revolutions 42. steam 46. Aneroid 29.89.

C. P. Rees Lieut.

Moon's mid Examined and found to be correct.
Dec 19° 30' 40" N
Phase New Moon

W. H. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" ; 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islands.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1	7	8	N.N.W.½W.	S.S.W.	1		30.00	78	78	76	79	ocn	nimb	0	8	
2	7	6	"	"	3		29.99	78	77	75	79	"	"	0	"	
3	7	6	"	"	3		29.99	78	77	75	79	bc	cum nimb	2	"	
4	7	8	"	"	3		29.99	78	77	75	79	"	"	1	"	
5	7	6	"	"	1		30.00	78	77	75	79	"	"	2	"	
6	7	0	"	West	2		30.00	78	77	75	79	bcn	"	2	"	
7	7	11	"	"	2		30.00	78	77	75	79	"	"	2	"	
N 7°28 8	7	6	"	"	2		30.01	79	78	75	79	bc	cir cum	2	"	
W 135°37 9	7	5	"	W.N.W.	2		30.03	80	79	77	81	"	cir cum cum nimb	11	"	
10	8	0	"	"	2		30.03	81	80	77	81	"	"	2	"	
11	7	5	"	West	2		30.03	81	81	77	81	"	"	2	"	Let head sails and main
Noon.	8	0	"	S.W.	2-5		30.03	80	79	77	81	bcgd	.	1	"	try sail

Distance run by Log since preceding Noon — 176 knots 0 ~~fathoms.~~

Latitude by D. R. at Noon — 7 ° 58 ' 00 " N

Longitude by D. R. at Noon — 136 ° 10 ' 00 " W

Latitude by Observations at Noon ⊙ — 7 ° 57 ' 00 " N

Longitude by Chronometer from Forenoon Observations ⊙ — 135 ° 49 ' 00 " W

Current during the time 1.87 knots ___ fms. per hour, setting to the — S 89° E

135 Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at p.a.m. — 6 ° 00 ' 00 " E

Water expended during the preceding 24 hours — 350 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1050 "

Coal consumed during the preceding 24 hours — 12 tons 120 lbs.

Coal remaining on hand at Noon — 63 " 936 "

P. M.															
1	8	0	N.N.W.½W.	W.S.W.	2		30.04	79	79	77	81	ocp	cir cum	2	8	
2	7	8	"	"	3		30.02	79	78	76	81	"	"	0	"	
3	8	0	"	"	4		30.00	79	78	76	81	"	"	0	"	
4	8	0	"	W.N.W.	4		29.98	78	78	76	81	"	"	1	"	Lost in main try sail
5	7	11	"	"	3		29.98	78	78	77	80	ocd	cum nimb	0	"	
6	7	0	"	N.N.W.	3		29.99	78	78	76	80	"	"	0	"	Lost in head sails.
7	7	8	"	"	2		29.99	79	79	77	80	bcd	cum str nimb	2	"	
N 8°54 8	7	8	"	"	2		30.00	79	79	77	80	"	"	2	"	
W 136°13 9	7	5	"	N by W	1		30.02	80	79	77	80	"	cir cum cum nimb	3	"	
10	7	5	"	North	2		30.00	80	79	77	80	"	"	2	"	
11	8	0	"	S.W.	1		30.00	78	78	76	80	ocn	cum nimb	0	"	
Mid.	7	0	"	West	1		29.99	78	78	76	80	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ' "

Longitude by Chronometer from Observations * — ° — ' "

Variation of the Compass by Amplitude observed at Sunset — ° — ' "

Variation of the Compass by at — ° — ' "

under the command of Commander A. H. McCormick, U. S. Navy,

Wednesday, June 6th, 1883

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cloudy and rainy, clearing latter part. Gentle breze from S.S.W. Aneroid barometer 29.86. Steam 36.5 lbs. Revolutions 40.3.

W.W. Smith
Master

4 to 8 A.M. Cloudy. Drizzling rain greater part of watch, clearing latter part. Light variable breze from West to S.S.W. Smoothed. Revolutions 42.7. Steam 43 lbs. Aneroid 29.86.

Wainwright-Kellogg Lieut

8 A.M. to Meridian. Weather generally pleasant. Breze light to fresh in force from West to S.W. Barometer steady. Clouds cirro-cumulus, cumulus and nimbus. Sea smooth. Ship steady. At 9.15 mustered and inspected crew at quarters. Under steam pressure 42 lbs, and 41 revolutions. Aneroid barometer 29.90.

Karl Rohrer, USN Lieut

Meridian to 4. P.M. Weather overcast with frequent passing showers. Wind varying from S. and W. to S. and W. Barometer falling. Took in main trysail at 3.50. Aneroid at end of watch 29.83. Steam pressure 42. Revolutions 41.

C. Rhea Lieut

4 to 6. P.M. Overcast and cloudy with light drizzling rain. Gentle breze from W.N.W. hauling to N.N.W. Dispensed with quarters on account of the weather. Aneroid barometer 29.87. Steam 45 lbs Revs 43.

W.W. Smith Master

6 to 8. P.M. Weather, overcast, cloudy and warm. Light airs from N.N.W. with light drizzling rain. Smooth sea. Aneroid at end of watch 29.86. Steam 44 lbs. Revolutions 43.

Wainwright-Kellogg Lieut

8 P.M. to Midnight Weather rainy. Breze light in force and variable in direction. Barometer falling. Under steam, pressure 37 lbs. and 42 revolutions. Aneroid barometer 29.88.

Karl Rohrer, Lieut

Moon's mid Examined and found to be correct.
Dec 18° 04' 34" N
Phase New Moon

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao, Peru, to Honolulu, Sandwich Islands

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	6	N. N W 1/2 W	N N E.	3		30.02	78	78	76	79	ocr	Nimb	0	S	
2	6	8	"	N. E.	3		30.00	78	78	76	79	"	"	0	"	
3	7	2	"	E.	3		29.98	77	77	75	79	"	"	0	"	
4	7	6	"	S E.	3		29.98	77	76	75	79	"	.	0	"	
5	7	6	.	S S E.	4		30.00	78	77	76	79	oc	Cum strat nimb	0	"	Set head sails
n 10°60 6	7	6	.	W.	4		30.00	78	77	75	80	bc	"	1	"	
W 136°39' 7	7	4	"	N. W.	2		30.02	78	77	75	80	bcp	"	2	"	
n 10°13' 8	6	6	"	N. N. W.	2		30.02	78	78	76	80	bc	Cir cumu	3	"	Took in head sails
W 136°44' 9	5	0	"	N W.	1		30.02	80	80	76	80	"	"	4		Made all plain sail except
10	No turn age way			Calm.	0		30.04	80	80	76	80	"	"	4		fore sail, main sail, Mizzy
11	"	"	"	"	0		30.04	80	81	76	80	"	"	2		sail and spanker.
Noon.	"	"	"	"	0		30.06	81	82	76	80	"	"	3		

Distance run by Log since preceding Noon	154	knots 2	tenths fathoms.
Latitude by D. R. at Noon	10	° 19 ' 27 "	N
Longitude by D. R. at Noon	136	° 49 ' 15 "	W
Latitude by Observations at Noon ⊙	10	° 18 ' 02 "	N
Longitude by Chronometer from Forenoon Observations ⊙	136	° 46 ' 00 "	W
Current during the time knots fms. per hour, setting to the		?	
117 Variation of the Compass by Amplitude ⊙ observed at Sunrise		° ' "	
Variation of the Compass by Azimuth ⊙ observed at 8 a. m.	6	° 00 ' 00 "	E
Water expended during the preceding 24 hours	350	gallons.	
Water distilled during the preceding 24 hours	600	"	
Water remaining on hand fit for use at Noon	1300	"	
Coal consumed during the preceding 24 hours	12 tons	2120	lbs.
Coal remaining on hand at Noon	50 "	1056	"

P. M.															
1	0	5	W by S	N.	1-2	30.03	81	82	77	81	bc	Cum & Cir cumu & Stratus	5	S	
2	1	0	W. N. W.	N by E.	1-2	30.00	81	82	77	81	"	Cumu strat	5	"	
3	1	0	N W by W.	N. N. E.	1-2	30.00	81	82	77	81	"	"	4	"	
4	1	0	W. N. W.	N by E.	1-2	29.98	81	81	77	81	"	Cir cumu & cumu	6	"	
5	1	0	N. W by W.	N. N. E.	1	30.00	81	82	77	81	"	"	7	"	
6	1	0	N. W.	"	1	30.00	80	81	76	81	"	"	7	"	
7	1	2	"	"	1	30.00	80	80	76	81	"	"	7	"	
n 10°23' 8	1	5	"	"	2	30.01	80	80	76	81	"	"	9	"	
W 136°57 9	2	0	"	N. E.	2	30.02	80	80	76	81	"	"	9	"	Set spanker
10	2	2	"	"	2	30.04	81	80	76	81	"	"	9	"	
11	2	2	"	"	2	30.03	81	81	77	81	"	Cumu & nimb	8	"	Set main sail & took in
Mid.	2	6	"	"	2	30.02	81	81	77	81	"	"	7	"	main Tzy sail.

Longitude by Chronometer from Afternoon Observations ⊙	136	° 51 ' 00 "	W
Longitude by Chronometer from Observations *		° ' "	
Variation of the Compass by Amplitude observed at Sunset		° ' "	
Variation of the Compass by Az ⊙ at n 10° 20' W 136° 54'	5	° 45 ' 00 "	E

under the command of Commander A. H. McCormick, U. S. Navy,

Thursday. June 7th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast with tremendous showers of rain. Barometer falling. Wind hauling from N.N.E to S.E. Steaming a course N.N.W 1/2 W. Pressure 40 lbs. Revolutions 43. Aneroid at end of watch 29.88.

P.K. Smith Lieut

4 to 8 A.M. Overcast and cloudy with passing showers. clearing latter part. Moderate breeze from S.S.E. hauling to N.N.W and falling light. At 5h0m set head sails and at 7h0m hauled them down. Aneroid barometer 29.90. Steam 42 lbs. Revolutions 42.

W.M. Emmons Master

8 A.M to Meridian. Cloudy first-half of watch, clear last-half. Light variable airs and calms. Smooth sea. At 8h4m stopped steaming hauled fires under two boilers and commenced distilling. Made all plain sail to royals except foresail, mainsail, and spanker. No steerage way last three hours of watch. Aneroid 29.92.

Wainwright Kellogg Lieut.

Meridian to 4 P.M. Weather clear and pleasant, light airs from N to N.N.E. Barometer falling. Sea smooth. Distilling fresh water. Aneroid barometer 29.84.

Karl Rohrer Lieut

4 to 6 P.M. Weather clear and warm. Light breeze from N.N.E. Smooth sea, Barometer steady. Mustered at quarters at 4.45. Distilling. Aneroid 29.84.

P.K. Smith Lieut

6 to 8 P.M. Clear delightful weather. Very light breeze from N.N.E. Smooth sea, Distilling. Aneroid barometer 29.89.

W.M. Emmons Master

8 P.M to Midnight. Clear and warm. Light breeze from N.E. Sea smooth. At 11h0m stopped distilling. set mainsail and took in main ~~try~~sail ~~and took in mainsail try sail~~. Aneroid 29.90.

Wainwright Kellogg W.K. Lieut.

Moon's mid. Examined and found to be correct.

Dec. 15° 40' 32" N

Phase. New Moon.

W. T. Parker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Callao. Peru. to Honolulu. Sandwich Islds

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1	2	5	N.W.	N.E by N.	1-2		30.00	80	80	76	80	bc	circum	8	S	All plain sail except
2	2	0	"	"	1-2		29.99	80	79	76	80	"	"	9	"	main trysail. Took in
3	2	0	"	"	1-2		29.96	80	79	76	80	bcp	cir cum cumnumb	5	"	spanker
4	3	0	"	"	2-3		29.96	80	79	76	80	bc	"	5	"	
5	2	4	"	N. E.	3		30.00	80	79	76	80	"	"	6	"	
6	3	2	"	"	3		30.00	79	78	76	80	"	"	8	"	
7	3	5	"	"	3		30.05	81	79	76	80	"	"	8	"	Set top't & top gall. sl boo
n 10°45' 8	4	0	"	"	3		30.05	81	80	77	80	"	"	8	"	studding sails
W 137°29' 9	3	6	"	"	3		30.07	82	81	77	80	"	circum	7	"	
10	4	0	"	N.N.E.	3		30.07	81	80	78	80	bcp	cir cum Cumnumb	5	"	
11	5	0	N.W by W.	N.E by N.	3-4		30.07	79	78	76	81	"	"	2	"	
Noon.	4	0	"	"	3		30.07	80	80	78	81	bc	circum	8	"	

Distance run by Log since preceding Noon	54 knots 7	~~fathoms.~~ tenths.
Latitude by D. R. at Noon	10 ° 59 ' 08 "	N
Longitude by D. R. at Noon	137 ° 29 ' 15 "	W
Latitude by Observations at Noon ⊙	10 ° 56 ' 34 "	N
Longitude by Chronometer from Forenoon Observations ⊙	137 ° 41 ' 15 "	W
Current during the time 0. 5 knots ~~fms.~~ per hour, setting to the	S 85° W	
117 Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
Variation of the Compass by Azimuth ⊙ observed at 8. a. m.	6 ° 00 ' 00 "	E
Water expended during the preceding 24 hours	350 gallons.	
Water distilled during the preceding 24 hours	900 "	
Water remaining on hand fit for use at Noon	1850 "	
Coal consumed during the preceding 24 hours	1 tons 460 lbs.	
Coal remaining on hand at Noon	49 " 596 "	

P. M.	2	0	N.W by W.													
1	2	0	N.W by W 1/2 W.	N.E by N.	3		30.04	81	81	77	81	bc	circum	9	"	
2	5	0	"	"	3		30.02	83	81	77	81	"	"	7	"	
3	4	4	"	"	3		30.02	83	81	77	81	"	"	11	"	
4	4	0	"	"	3		30.00	82	81	77	81	bcp	cum numb	4	"	
5	5	0	"	N.E by E.	4		29.99	81	80	77	80	"	cir cum Boumb	5	"	
6	5	0	"	"	3		29.99	81	80	77	80	"	"	6	"	
7	6	0	"	"	4		29.99	81	79	77	80	"	"	6	"	
n 11°19' 8	6	0	"	"	4		30.02	81	79	77	80	"	"	6	"	
W 138°20' 9	5	8	"	N.E.	4		30.04	80	80	77	80	"	cum numb	2	"	
10	5	8	"	"	4		30.07	80	80	77	80	bc	"	5	"	
11	6	0	"	"	4		30.08	80	79	76	80	"	"	5	"	
Mid.	6	0	"	"	4		30.08	80	79	76	80	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙	137 ° 47 ' 30 "	W
Longitude by Chronometer from Observations *	° ' "	
Variation of the Compass by Amplitude observed at Sunset	° ' "	
Variation of the Compass by ⊙ ☾ at N 11°08 W 138.03	6 ° 15 ' 00 "	E

under the command of Commander A. H. McCormick, U. S. Navy,

Friday June 8th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Light to gentle breeze from N. E. by N. Barometer falling. Aneroid barometer 29.86.

Wm Kohler KR Lieut

4 to 8 A.M. Weather clear and pleasant. Gentle breeze from N.E. gradually freshening. Barometer rising. Set starboard topmast and topgallant studdingsails at 7.30. Aneroid at end of watch 29.89.

P Rice Lieut

8 A.M to Meridian. Cloudy with passing showers. clearing occasionally. Light to moderate breeze from N.E. to N.N.E. Dispensed with quarters on account of the weather. Aired bedding. At 9.52 changed course to N.W by W. By order of Commanding Officer the following punishments were assigned:- P. Devany 2ds five days solitary confinement on bread and water for being disrespectful to an officer and fighting: Wm White, 2 Class five days confinement in double irons for shirking: P. Deany 2 Class three days confinement in double irons for lying at the mast. Aneroid barometer 29.90.

W. W. Smith Master

Meridian to 4. P.M. Cloudy but pleasant. passing rain showers last hour. Smooth sea. Gentle breeze from N.E by N. At 11.30 changed course to N.W by W 1/2 W. Barometer falling slowly. All plain sail with starboard studdingsails except lower.

Ensign

4 to 6. P.M. Weather pleasant. Light passing showers of rain at intervals. Gentle to moderate breeze from N.E by E. Barometer steady. Aneroid barometer 29.86.

Wm Kohler Lieut

6 to 8 P.M. Weather partly cloudy and pleasant. Moderate breeze from N.E by E. Smooth sea. Barometer rising. Mustered at quarters at 7.45. Aneroid, at end of watch 29.89.

P Rice Lieut

8 P.M to Midnight. Cloudy with a few light showers. Moderate breeze from N.E. Smooth sea. By order of Commanding Officer placed Thos. J. Wynne (Finisher.) in double irons for safe keeping for drunkenness. Aneroid barometer 29.90.

W. W. Smith Master

Moon Lunid. Examined and found to be correct.

Dec. 12° 27' 05" N

Phase New Moon

W. H. Clark

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns.

Making passage from Callao Peru to Honolulu Sandwich Isls

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M																
1	7	0	N W by W ½ W	N E.	4-5		30.06	80	79	76	81	bo	Cumb	4	8	Plain sail except Spanker
2	7	0	"	"	4-5		30.05	80	79	76	81	"	"	4	"	Stbd Studgsail Lower
3	7	0	"	"	4-5		30.05	80	79	76	81	"	"	5	"	
4	7	0	"	"	4-5		30.05	80	79	76	81	"	"	6	"	
5	6	0	"	N E by E.	4		30.00	79	78	75	81	"	Cumb	8	"	
6	5	5	"	"	4		30.03	79	79	75	81	"	"	7	"	
7	5	5	"	"	4		30.04	79	79	75	81	"	Cir Cumb	9	"	
N 12°03' W 139°42' 8	5	5	"	"	3		30.05	79	79	75	81	"	"	8	"	
9	6	0	"	N. E.	4		30.07	79	78	74	80	"	"	8	"	
10	6	0	"	"	4		30.07	78	78	74	80	"	"	9	"	
11	5	4	"	"	4		30.07	78	79	75	80	"	"	9	"	
Noon.	6	0	"	"	4		30.07	78	79	75	80	"	"	9	"	
N 12°16' W 140°02'																

Distance run by Log since preceding Noon 137 knots / ~~fathoms~~ Nautical miles.

Latitude by D. R. at Noon 12° 12' 46" N

Longitude by D. R. at Noon 139° 40' 15" W

Latitude by Observations at Noon ⊙ 12° 15' 41" N

Longitude by Chronometer from Forenoon Observations ⊙ 140° 02' 00" W

Current during the time 0.92 knots ~~fms~~. per hour, setting to the N 82° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise . — . "

116 Variation of the Compass by Azimuth ⊙ observed at 8. a. m. 6° 30' 00" E

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1500 "

Coal consumed during the preceding 24 hours tons 300 lbs.

Coal remaining on hand at Noon 49 " 196 "

P. M.															
1	5	6	N W by W ½ W	N E.	3		30.09	79	79	75	80	bo	Cir Cumb	7	8
2	6	5	"	"	4		30.09	79	78	74	80	"	"	8	"
3	6	4	"	"	4		30.07	79	78	75	80	"	"	8	"
4	7	0	"	"	5		30.04	78	78	75	80	"	"	8	"
5	6	6	"	"	4		30.04	78	78	75	80	"	"	8	"
6	6	6	"	"	4		30.04	78	78	75	80	"	"	8	"
7	6	5	"	N E by E.	4		30.04	78	78	75	80	"	"	7	"
N 12°44' W 140°47' 8	6	0	"	"	4		30.04	78	78	75	80	"	"	8	"
9	6	4	"	N. E.	4		30.10	79	78	74	79	"	"	9	"
10	6	4	"	"	4		30.12	79	77	73	79	"	"	8	"
11	6	4	"	"	4		30.12	78	77	73	79	"	"	8	"
Mid.	6	4	"	"	4		30.10	77	77	73	79	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ 140° 03' 00" W

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by Az ⊙ at S. 12° 30' W 140° 25' 6° 30' E"

under the command of Commander A. H. McCormick, U. S. Navy,

Saturday. June 9th, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear delightful weather. Moderate to fresh breeze from N.E. Smooth sea. Aneroid 29.90.

Wm Linnegar Kellogg Lieut

4 to 8 AM. Weather clear and pleasant. Gentle to moderate breeze from NE by E. Barometer rising. Cirro-cumulus and cumulo-stratus clouds. Aneroid barometer 29.94.

Karl Rohrer Lieut

8 AM to Meridian. Weather clear and warm. Gentle to moderate breeze from NE. Smooth sea. Barometer rising. By order of Comdg Officer, Thos J. Wynne. (Finisher) was given five ~~col~~ days bread and water, ~~and half monthly money stopped for two months~~ for being drunk on board and noisy in confinement. Richd Speir (Lds) half monthly money stopped for two months for being drunk on board; Daniel Howell, (Lds) Henry McCaffrey (OS) and J. J. McCann (Lds) half monthly money stopped for two months for being under the influence of liquor and Andrew J. McMillan (Apothy) same punishment for having party in sick bay. Aneroid 29.94.

C. P. Rees Lieut

Meridian to 4 PM. Weather clear and pleasant. Gentle to stiff breeze from NE. Barometer falling slowly. Smooth sea, Course N W by W 1/2 W. Aneroid barometer 29.90.

Ensign.

4 to 6 PM Clear and pleasant. Gentle to moderate breeze from NE. Smooth sea, At 4.45 mustered at quarters. At 4.50 called all hands, and exercised at shifting topsails. Aneroid 29.92.

Wm Linnegar Kellogg Lieut

6 to 8 PM. Weather clear and pleasant. Barometer steady. Cirro-cumulus clouds. Moderate breeze from NE by E. Aneroid barometer, 29.96.

Karl Rohrer, Lieut

8 PM to Midnight. Weather clear and pleasant. Moderate breeze from NE. Smooth sea. Barometer rising. Aneroid 29.99.

C. P. Rees Lieut

Moon's mid Examined and found to be correct.
Dec 8° 46' 54" N
Phase New Moon

W. F. Stark
Lieut & Navigator.

Exam. Bk No 4

Chief Boatswains Mate 1
Boatswains Mates 2
Chief Gunners Mate 1
Quartermasters 1
Quartermasters 3
Gunners 3
Captains of Forecastle 2
" " Tops 11
" " Afterguard 12
Coopers Crafts 3
Captain of the Hold 1
Sailmakers Mate 1
Armorer & Cutler 1
Captains of Waist 1
Chief Masters Mate 1
" Carpenter 1
Carpenters Crafts 1
Chief Yeoman 1
Yeomen 1
Ships Corporal 1
Trumpeters 1
Fifers 1
Drummers 1
Master at Arms 1
Ships Steward 1
Ships Cook 1
Steerage Steward 1
" Cook 1
Wardroom Steward 1
" Cook 1
Steerage Steward 1
" Cook 1
Seamen 11
Ordinary Seamen 10
Landsmen 11
Boys 2
Sailmakers 1
Blacksmiths & Engrs. 1
Engineers 7
Firemen 6

Landsmen &c 19